DIRECT SELECTION ON LIFESPAN IN *DROSOPHILA MELANOGASTER* TO ELUCIDATE THE MECHANISMS OF LONGEVITY

DANIEL ROY PALMER

A thesis submitted to Lancaster University in fulfilment of the requirements for the degree of Doctorate of Philosophy

Declaration

This thesis is entirely my own work and has not been submitted in full or in part for the award of a higher degree at any other educational institution.

No sections of this thesis have been published. Poster presentations pertaining to this work have been made at annual scientific meetings of the British Society for Research on Ageing (BSRA).

Acknowledgements

I am very grateful to my supervisor, Dave Clancy and to the Faculty of Health and Medicine for providing the funding for my PhD. I would also like to thank the Williamson Park butterfly house in Lancaster for allowing us to collect our flies from their enclosure. I am grateful to all the staff and students I worked with in Lancaster, in particular the Sinkins and Broughton groups for sharing so many resources and so much knowledge with me.

I would especially like to thank Pauline Obale, Emma Lishman, Lily Dixon, Sam Kitching and Belinda Ameyaw for their assistance in developing protocols for, and assisting in, the data collection of the phenotypic assays presented in this thesis.

Contents

Chapter 1 – Ageing Research: Theories and Methods

Chapter 2 – Direct Selection on Lifespan

Discussion

Chapter 3 – Correlated Responses to Selection on Longevity

Materials and Methods

Discussion

Chapter 5 – Conclusions

Tables

Figures

Abstract

Artificial selection can be used to create model organisms tailored for a specific research question. Selection experiments using *Drosophila* have been a prominent aspect of ageing research over the last 40 years, being used to elucidate the evolutionary roots of ageing, as well as the mechanisms and corollaries by which lifespan extension is achieved in semi-natural populations. With the advent of modern sequencing, and other -omics, technologies, selection experiments offer an exciting opportunity to investigate the molecular and genetic mechanisms of longevity.

We selected directly on lifespan in a recently wild-caught population of *Drosophila melanogaster*, achieving a median lifespan extension effect of 30% and a delay in the onset of ageing of 68% after 5 generations of selection. Various life-history traits and stress responses were measured and one line from each the selected and control regimes were analysed using RNA-Seq.

Changes in stress resistances were observed in the selected flies, with the long-lived lines showing an increase in starvation resistance and a decrease in heat stress resistance, both responses being consistent with previous selection experiments. Desiccation resistance was initially increased by selection, but this declined after 5 generations of selection, suggesting that it was not necessary for the long-lived phenotype. Likewise, and somewhat unexpectedly, oxidative stress resistance was not altered in the selected lines, and neither did levels of protein carbonylation change, suggesting that early life prevention of oxidative damage is not an indicator of lifespan.

Differential expression analysis of the long-lived flies revealed enrichment of developmental and metabolic biological processes amongst the genes with the highest fold-change. These categories are commonly altered in long-lived expression profiles and suggest the longevity of the selected lines may be due to alterations in developmental pathways in accordance with the hyperfunction theory of ageing.

Chapter 1 – Ageing Research: Theories and Methods

1 Introduction

The human population is rapidly ageing, leading to increased morbidity which in turn has wide ranging societal effects. Quality of life and cognition deteriorate with age (van Boxtel *et al.*, 1998), risk of infectious disease increases dramatically (Kline and Bowdish, 2016) and the costs of remedying these effects causes a financial burden to society as a whole (Bloom *et al.*, 2015). In the short term, education campaigns may reduce this burden, for instance by encourageing an improved diet in the population (Giacalone *et al.*, 2016). In the future however, it will likely be necessary for clinical interventions, such as pharmaceuticals that alleviate ageing-related morbidity, if the problem is to be controlled. To this end, translational research into ageing, with an understanding of the biological mechanisms behind it, is of vital importance (Kirkland, 2013).

Despite the urgency of the question, the cause of ageing remains one of the great mysteries of biology. The genetic roots of ageing are not traceable to a single gene or set of genes, however numerous genes have been implicated, some of which can be manipulated to effect a slowing of the ageing process (Kenyon, 2010). Other approaches, such as working directly with pharmaceutical interventions to screen for lifespan extension (e.g. rapamycin, one of the few drugs shown to consistently extend lifespan in otherwise healthy mammals (Wilkinson *et al.*, 2012)), or studying the evolutionary causes of ageing in natural populations can also be effective.

2 The Evolutionary Theory of Ageing

The root of modern ageing theory, the mutation accumulation theory, proposed that extrinsic mortality, such as infectious disease and predation, reduces the genetic contribution of elderly organisms in a population and thus reduces selection pressures on the old allowing deleterious elderly phenotypes to evade selection (Medawar, 1952). This theory suggests that species protected from extrinsic mortality will live longer than less protected species, a suggestion borne out by evidence. Protection from predators, for instance: arboreal mammals live longer than terrestrial mammals (Shattuck and Williams, 2010), while chemical defence in amphibians (Hossie *et al.*, 2013),

and social group size in bovids (Bro-Jørgensen, 2012) both positively correlate with maximum lifespan.

The mutation accumulation mechanism also helps to explain differences in longevity within species. The shorter lifespan of males in many small mammals may be partially explained by the increased risk of predation males face compared to females (Christe, Keller and Roulin, 2006). Likewise, the survival of social animals past their reproductive age is explained. Elderly community members are able to transfer resources to their descendants, increasing fitness, and thus are still influencing selection (Lee, 2003).

The heritability of ageing has been established by numerous selection experiments. Early experiments focused on shortening lifespan by selecting for early fecundity and fitness traits in the flour beetle *Tribolium casteneum* (Sokal, 1970; Mertz, 1975). These experiments had some success in shortening lifespan, however the results were inconsistent, particularly in males. The first breakthrough in longevity selection occurred in 1981, when *Drosophila melanogaster* were selected for delayed fecundity in an effort to increase lifespan (Rose and Charlesworth, 1981b). Significant lifespan extension was achieved by selection, providing strong evidence for a heritable component of ageing. Subsequently, heritability of lifespan has been estimated as ≤40% in *Drosophila* (Promislow *et al.*, 1996; Lehtovaara *et al.*, 2013), whilst large scale twin studies have estimated the heritability of human lifespan at around 25% (Herskind *et al.*, 1996; Ljungquist *et al.*, 1998).

2.1 Antagonistic Pleiotropy

Building on the mutation accumulation theory, the antagonistic pleiotropy theory provides a selective incentive for ageing to evolve. It suggests that rather than an accumulation of random late acting deleterious mutations, pleiotropic genes that increase fitness early in life may prove deleterious in late life (Williams, 1957). Huntingdon's disease is a possible extreme example of antagonistic pleiotropy in humans. It has been suggested that Huntingdon's has remained in the population not only by evading negative selection, but also by conferring fitness increases in early life such as increased promiscuity and fertility (Carter and Nguyen, 2011), a stronger immune response and resistance to some cancers (Eskenazi, Wilson-Rich and Starks, 2007).

The first attempt to compare the two theories by comparing various quantitative genetic traits between siblings and half-siblings was performed in *Drosophila* (Rose and Charlesworth, 1980, 1981a). Working from the assumption that the additive genetic variance (VA) of fitness characteristics should increase with age if mutation accumulation is the case, egg laying counts were measured in a wild-type strain of *Drosophila melanogaster*. The VA of egg laying did not increase with age, strongly suggesting that mutation accumulation was not a factor in this situation.

Assuming that antagonistic pleiotropy would lead to a tradeoff between early and late fecundity, flies were selected for either early or late fecundity and their egg lay count was measured. As expected, a tradeoff was detected, with flies selected for late fecundity laying fewer eggs than the control when at young ages.

This tradeoff has been observed in wild populations too. When the life histories of wild mute swans (*Cygnus olor*) were examined (Charmantier *et al.*, 2006), age of first reproduction and age of last reproduction were shown to be strongly selected in opposite directions over 36 years. Additionally, there was strong covariance between the age of first reproduction and reproductive senescence, again supporting antagonistic pleiotropy. Another example from a wild population is observed evidence that early life fecundity in wild red deer (*Cervus elaphus*) is associated with accelerated reproductive ageing, with a reduced birthweight for offspring of deer that were more fecund at younger ages (Nussey *et al.*, 2008).

2.2 Disposable Soma Theory

A further development, disposable soma theory suggests that by reducing repair mechanisms to the minimal viable level, organisms can increase early growth and fitness. This also leads to a progressive increase in errors during protein synthesis, leading to apoptosis and eventually a collapse of homeostasis, thus causing ageing (Kirkwood and Holliday, 1979).

As with antagonistic pleiotropy, evidence for disposable soma can be found in nature. In a wild population of minnows (*Pociliopsis occidentalis*) containing distinct groups of either long- or short-lived fish, the long-lived fish put less effort into reproduction while the short-lived fish increased reproductive effort with age (Constantz, 1979). Other observations of natural populations have also supported this theory to some extent. An observational study on Seychelles warblers (*Acrocephalus sechellensis*) saw that individuals which had a delayed age of first reproduction also exhibited delayed senescence, although the rate of senescence once it began was unaffected (Hammers *et al.*, 2015).

3 Mechanistic Theories of Ageing

So far, these theories have explained how ageing evolved, but they do not describe the basic mechanism by which cells, tissues and ultimately systems, decline with age. While there are hundreds of different theories of ageing (Medvedev, 1990), many of these theories can be divided into one of two categories: damage accumulation theories or programmed ageing theories (Jin, 2010).

3.1 Damage Accumulation

The possibility that ageing is driven by molecular damage that accumulates over time is an intuitive and attractive theory. Numerous examples exist of ageing associated molecular damage to DNA, RNA, proteins, carbohydrates and lipids, affecting a variety of cellular processes including the very mechanisms responsible for preventing cellular damage in the first place (Rattan, 2008). A prominent form of ageing-related damage is oxidative damage caused by free radicals.

3.1.1 The Free Radical Theory of Ageing

Proposed by Denham Harman (1956), the free radical theory of ageing (FRTA) suggests that free radicals, particularly reactive oxygen species (ROS), cause ageing through deleterious side attacks on cellular constituents such as lipids, proteins, DNA and carbohydrates. The initial theory was based on the knowledge that hydroxyl and hydroperoxyl radicals are a natural by-product of mitochondrial respiration. It was suggested that these ROS were responsible for deleterious side attacks on cell constituents and connective tissues, gradually causing enough damage to lead to further degeneration and ageing.

The FRTA has a strong evidence base surrounding it, however, a lack of definitive causal evidence means it remains controversial. The correlative evidence however is abundant. Cellular antioxidants such as superoxide dismutase (SOD) and catalase have been demonstrated to extend lifespan in model organisms when targeted to the motorneurons and mitochondria respectively, both areas of high ROS production (Parkes *et al.*, 1998; Schriner *et al.*, 2005). A host of such studies exist, demonstrating the life extension effects of oxidative stress defences, however, results are somewhat heterogeneous, for instance increasing SOD activity in *Caenorhabditis elegans* through treatment with the SOD mimetics EUK-8 and EUK-134 was only able to extend lifespan in the presence of superoxide generators, i.e. the increased SOD activity was able to protect against further ROS damage on the baseline, but could not prevent the decline associated with ageing (Keaney *et al.*, 2004). Likewise, the overexpression of copper zinc SOD, manganese SOD, catalase, or combinations thereof, were shown to not extend lifespan in a mouse model (Pérez *et al.*, 2009). However, in this latter study, the antioxidants were overexpressed only in their wild-type locale, and so do not necessarily run counter to the findings of Schriner, *et al*. who found lifespan extension after targeting catalase to the mitochondria rather than its native peroxisome.

Finally, plenty of animal models demonstrate phenotypes seemingly running counter to the FRTA. 'Mitochondrial mutator mice' have been generated, expressing a faulty mitochondrial proof-reading enzyme, PolgA, and displaying a premature ageing phenotype (Trifunovic *et al.*, 2004). However, in a follow up experiment, the mutator mice were shown to not suffer an increase in oxidative damage

despite their massively increased mtDNA mutation load (Trifunovic *et al.*, 2005). As such it can be inferred that their premature ageing phenotype has more to do with mitochondrial deficiency brought about by the mutations themselves, rather than an accelerated 'vicious cycle' of ROS production and stress. Supporting this data, a further study in PolgA deficient mice demonstrated that mice heterozygous for the mutation did not suffer a significant premature ageing phenotype, and had no reduced lifespan compared to wild-types, despite a 29 fold higher mtDNA point mutation burden (Vermulst *et al.*, 2007). All this points to oxidative stress being a correlative, rather than causative, feature of ageing.

3.1.2 DNA Damage Theory

Related to the FRTA is the idea that accumulated DNA damage leads to a feedback loop of ever more cellular damage as DNA damage leads to incomplete or malfunctioning cellular repair mechanisms in turn leading to further damage (Gensler and Bernstein, 1981). The main cause of damage are oxidative DNA adducts such as 8-hydroxy-2'-deoxyguanosine, which increase with age (Fraga *et al.*, 1990) and are reduced in calorie restricted mice (Sohal *et al.*, 1994) suggesting a correlation with biological age.

While DNA damage undoubtedly increases with age, these increases are inconsistent in many mouse tissues (Maslov *et al.*, 2013). Additionally, increasing the amount of oxidative DNA damage in mice, by reducing Mn-superoxide dismutase (MnSOD) activity, does not accelerate ageing despite leading to a 100% increase in tumour incidence (Van Remmen *et al.*, 2003).

A more specific theory, that DNA damage to adult stem cells is a major contributor to ageing is supported by evidence from human adult stem cells which have a higher DNA damage burden than new-born umbilical cord stem cells, in addition to a much reduced repair efficiency (Rübe *et al.*, 2011).

Despite the evidence that DNA damage is not responsible for the ageing process itself, it is still clearly implicated in ageing related disease. The increased risk of cancer in ageing may be due to the increased genome instability associated with ageing, itself a result of endogenous DNA damage (Tubbs and Nussenzweig, 2017).

3.2 Programmed Ageing

Where the damage accumulation theories of ageing suggest that ageing is the result of an inability for systemic repair mechanisms to keep up with the normal wear-and-tear of living, theories of programmed ageing state that ageing is a direct result of genetic programs, either intentionally or otherwise (Longo, Mitteldorf and Skulachev, 2005). Programmed theories of ageing are largely based

on the existence of clear cellular processes that appear to follow a defined pattern or process through life and that ultimately contribute to ageing.

3.2.1 Senescence

The premise that ageing revolves around cellular senescence and telomere shortening seems an obvious conclusion at first glance, since these processes coincide. Cellular senescence is the arrest of cellular growth that occurs after a certain number of cell divisions once the telomeres, protective 'caps' at the end of each chromosome, have been shortened by repeated division (Jeyapalan and Sedivy, 2008). Because of the clear link between ageing and increased cellular senescence, in addition to the possible triggering of senescence by other ageing associated mechanisms such as DNA damage accumulation, it is tempting to think of it as a biological clock heralding the ageing process (Collado, Blasco and Serrano, 2007).

Unfortunately, the relationship between ageing and senescence is not so clear. Although cellular senescence increases with age, and preventing the shortening of telomeres by increasing telomerase expression can extend the replicative lifespan of human cells *in vitro* dramatically (Bodnar *et al.*, 1998) , there is no evidence that induced telomerase expression can extend lifespan in healthy organisms. Mice engineered to lack telomerase show an early ageing phenotype which can be alleviated and reversed by the reactivation of telomerase (Jaskelioff *et al.*, 2011). However, mice engineered in this way, although they share many symptoms associated with ageing, are also subject to numerous other pathologies and so it is not clear whether the reintroduction of telomerase causes a slowing of ageing or, more likely, relief from an unrelated disease phenotype (Sanders and Newman, 2013).

Despite not being the sole cause of ageing, cellular senescence must still be considered one of its many drivers. In particular, senescent cells enter a state known as the senescence-associated excretory phenotype (SASP) in which they secrete interleukins, inflammatory cytokines and growth factors, including insulin-like growth factor (IGF-1), which may contribute to the ageing process (Coppé *et al.*, 2010).

3.2.2 Nutrient Sensing

Another major mechanistic theory revolves around the widely conserved insulin/IGF-1 signalling pathway (IIS). This pathway was discovered in *C. elegans* when a mutation in *daf-2*, a member of the insulin-like signalling pathway in *C. elegans*, was found to dramatically extend lifespan (Kenyon *et al.*, 1993). This gene was closely associated with dauer formation in *C. elegans*, a long lived state in which activity and reproduction are paused in favour of extreme resilience (Klass and Hirsh, 1976). The *daf-2* mutant however proved that the long-lived aspect of dauer formation could be uncoupled

from the process, and lifespan could be extended without major negative side effects. Shortly, mutations in homologous receptors of flies (*InR*) (Tatar *et al.*, 2001) and mice (*IGF-1R*) (Holzenberger *et al.*, 2003) were also found to extend lifespan.

Although the lifespan extending effects of inhibition of the IIS pathway is not fully understood, the pathway itself is well characterised. Inhibition of the IIS pathway leads to regulation of a wide variety of protective functions by the Forkhead FOXO transcription factor, *daf-16* in *C. elegans* and *dFOXO* in flies. This transcription factor regulates stress responses, antimicrobial defences and xenobiotic pathways, possibly responsible for the lifespan extension effect by clearing away cellular debris and damage (Fontana, Partridge and Longo, 2010). Numerous other mutants have been discovered that extend lifespan through inhibition of IIS. Drosophila mutants for the *chico* gene (an insulin receptor substrate protein) are long-lived with a corresponding increase in SOD (Clancy *et al.*, 2001) and likewise mouse mutants for insulin receptor substrate protein 1 (*Irs1*) are long-lived (Selman, Partridge and Withers, 2011). in human populations, SNPs associated with reduced insulin signalling are associated with shorter stature and longer life (Van Heemst *et al.*, 2005).

Associated with the IIS pathway, dietary restriction can also extend lifespan. It has long been understood that reduction in food intake to the minimum without malnutrition can extend lifespan, with caloric restriction in mice dramatically increasing lifespan (Ball, Barnes and Visscher, 1947). Later in *Drosophila* it was established that it was not necessarily caloric restriction, but rather restriction of specific nutrients that extended lifespan. *Drosophila* lived longer whether sugar or protein was restricted, and in a manner that did not reduce the caloric content of the food. Furthermore protein restriction was shown to have a higher per calorie effect on lifespan than that of sugar (Mair, Piper and Partridge, 2005). Further investigation found that amino acid imbalance was likely the cause of dietary restriction lifespan extension. It was considered that restricting essential amino acids would lead to a reallocation of nutrients away from fecundity and into somatic maintenance, explaining the decreased fecundity of dietary restricted flies. However, methionine, the amino acid determined to be responsible for fecundity loss in dietary restricted flies, was added back into the diet, there was an increase in fecundity back to fully fed levels but no loss of lifespan extension (Grandison, Piper and Partridge, 2009). Interestingly, although dietary restriction affects many of the same processes and pathways of FOXO mediated lifespan extension it appears to operate at least partially independently of FOXO in *Drosophila* with dietary restriction extending the lifespan of *dFOXO* null mutants almost as effectively as it extends that of wild-types (Min *et al.*, 2008). This contrasts with evidence from the long-lived *chico* mutant that cannot extend lifespan beyond the maximum that can be achieved by dietary restriction alone (Clancy *et al.*, 2002).

3.2.3 Hyperfunction Theory

Building on the many successes of lifespan extension via the IIS pathway, the hyperfunction theory of ageing attempts to bring together the many observed biomarkers and instances of molecular damage associated with ageing, and provide an explanation for their underlying cause (Blagosklonny, 2012). Hyperfunction theory postulates that ageing is not caused by an accumulation of molecular damage, but rather the run-on of developmental programs beyond their usefulness. The main example given is the continuation of the TOR pathway after development has concluded. TOR (target of rapamycin) is a regulatory protein discovered in yeast as part of a screen for genes affected by the immunosuppressant rapamycin (Heitman, Movva and Hall, 1991). This screen showed TOR to be involved in regulation of the cell-cycle, as alleles of TOR1 and TOR2 were able to confer resistance to the cell-cycle arresting effect of rapamycin in yeast. TOR was later shown to have other functions, regulating pathways involved in functions such as DNA repair (Chen *et al.*, 2011), immunity (Cheng *et al.*, 2014), autophagy (Noda and Ohsumi, 1998) and development (Jia, Chen and Riddle, 2004).

Inhibition of the TOR pathway has a wide-ranging systemic and cellular impact, most notably extending lifespan in numerous model organisms. TOR inhibition by rapamycin can extend lifespan in yeast (Powers *et al.*, 2006), flies (Moskalev and Shaposhnikov, 2010) and mice (Harrison *et al.*, 2009; Anisimov *et al.*, 2011; Wilkinson *et al.*, 2012). Likewise, transgenic modulation of the TOR pathway can extend lifespan. Inhibition of the TOR pathway in *Drosophila* by altering the expression of various TOR pathway components (*dTSC1*, *dTSC2*, dominant-negative *dTOR* and *dS6K*) extends lifespan (Kapahi *et al.*, 2004a), while in *C. elegans* TOR deficiency leads to a dramatic increase in lifespan (Vellai *et al.*, 2003).

In humans and non-human primates, the effects are less obvious but still evident. Rapamycin treatment in marmosets have been shown to be largely safe, allaying concerns about potential negative side effects of long-term rapamycin treatment (Ross *et al.*, 2015; Tardif *et al.*, 2015) and appears to modulate proteostasis in a tissue dependent manner (Lelegren *et al.*, 2016). In humans, rapamycin has been suggested as a means to alleviate ageing-related morbidity (Blagosklonny, 2010), and some evidence exists that individuals with growth hormone receptor deficiency display reduced TOR signalling and are resistant to cancer and diabetes (Guevara-Aguirre *et al.*, 2011).

4 Transcriptome Analysis in Ageing Research

Transcriptome analysis is a powerful tool in ageing research. By quantifying the RNA profile of an organism under different treatments, clues as to the physiological response can be determined (de

Magalhães, Finch and Janssens, 2010). qPCR and microarray studies are already a proven method of determining differential expression patterns and highlighting genes for study, while next generation sequencing promises to be an even more powerful method, RNA-Seq for instance providing a quantitative snapshot of the entire transcriptome of an organism.

In ageing research, transcriptome analysis can be used to profile responses to ageing, the various stress responses correlated with ageing, in addition to elucidating the expression differences in long-lived organisms.

Stress response analysis has generally found that ageing shares a similar expression profile to a wide range of stresses. In particular, similarities have been observed between the ageing response and the oxidative stress response, ageing bearing a pattern more closely resembling that of hyperoxia compared to heat stresses (Landis, Shen and Tower, 2012). This microarray study also pinpointed differential gene expression associated uniquely with ageing, compared to the other stresses tested. These ageing associated changes were primarily involved in the upregulation of the innate immune response, along with the down regulation of mitochondrial energy metabolism. This downregulation of mitochondrial energy metabolism is a commonly observed feature of ageing, and comparison of old and young flies of the same sex and genotype demonstrates it, with a decrease with age of metabolism related genes such as CG9090, a mitochondrial phosphate transporter (Jin *et al.*, 2001).

Other studies have focused more upstream, at the level of chromatin remodelling. By using microarrays to quantify both chromatin remodelling markers, e.g. *H3K9me3* and *HP1*, as well as gene expression, it has been possible to investigate the epigenetic effects of ageing. Down this avenue of inquiry, it has been found that chromatin markers associated with chromatin silencing decrease with age, and as expected, associated gene expression is affected (Wood *et al.*, 2010).

Another route of investigation is comparing the expression profiles of long-lived organisms to comparable controls, for instance *D. melanogaster* which have undergone a selection regime to extend lifespan. Comparing flies selected for mated longevity against their control shows that while there is little difference in the eventual ageing phenotype, the long-lived flies retain a younger expression profile for longer, before their eventual decline (Sarup, Sørensen and Loeschcke, 2011). Mated longevity selected flies have also been profiled with regards to their heat shock hormesis response, showing a particular increase in *Hsp70* expression in the heat-hardened flies, potentially associated with the extended longevity caused by heat-hardening (Sarup, Sørensen and Loeschcke, 2014). However, this hormetic response was only strongly observed in the selected flies, and as such no control lines were tested, thus the responsiveness of *Hsp70* expression to heat-hardening may well have been an artefact of the selection regime.

Finally, the genetic effects of drugs and other treatments can be tested. This has been achieved using microarray to compare the transcriptome of mice on a course of dietary restriction or the drug rapamycin, both treatments known to extend lifespan (Fok *et al.*, 2014).

These studies nicely demonstrate the pros and cons of transcriptome analysis in ageing research. As a method for screening a large number of genes for association with ageing, it is extremely valuable. Combining gene expression profiles with gene ontology, it is possible to get a broad understanding of the processes involved with ageing. This does highlight a limitation however. Without further expanding the inquiry into other techniques, it is not possible to conclusively state which processes are correlative with ageing and which are causative. Despite this limitation, by providing a starting point for further investigation, expression profiling has a lot of potential for exploring the underlying causes of ageing.

As mentioned, an exciting modern technology in transcriptome analysis is RNA-Seq, or whole transcriptome sequencing. This is achieved through the application of high-throughput sequencing technologies, which, in short, fragment the entire RNA sample, construct an RNA library of the fragments, sequence each fragment, map the sequences to a reference genome and finally compare differences in gene expression between the samples. RNA-Seq allows quantification of expression changes across the whole genome, investigation into epigenetic changes as well as the detection and quantification of DNA damage, mutations and other alterations (de Magalhães, Finch and Janssens, 2010).

Although relatively new, RNA-Seq technologies are already being applied to ageing science. Expression analysis of animals demonstrating lifespans on the extremes, either short or long-lived, have been of interest. For instance, the genome of the extremely long-lived bat, *Myotis brandtii*, has been sequenced along with an RNA-Seq transcriptome analysis (Seim *et al.*, 2013). *M. brandtii* has a lifespan of around 40 years, despite an adult weight of only 4-8g making it the most extreme case of mammal longevity with regard to body size, and an ideal candidate for investigating longevity strategies in mammals. The RNA-Seq expression data was compared to that previously taken from mice, comparing the expression profiles of *M. brandtii* liver cells to that of mice. A major comparison was in the insulin signalling pathways of *M. brandtii* to long lived mice null for the growth hormone receptor *GHR*. It was found that both animals shared a similar insulin-signalling profile, in particular displaying increased *forkhead box protein O1* (*FOXO1*) expression compared to wild-type mice, a protein known to modulate lifespan.

At the other extreme, RNA-Seq analysis of the short-lived fish, *Nothobranchius furzeri* has also been used to investigate ageing. *N. furzeri* is an attractive vertebrate model of ageing due to its very short

lifespan of around 12-16 weeks, as opposed to the 3-5 years of other vertebrate models. In this experiment, the goal was to better characterise *N. furzeri* as a vertebrate model, but also to track transcriptional changes across its lifetime (Petzold *et al.*, 2013). Ultimately, 43 genes were identified in each tissue tested (brain and liver) that were differentially expressed with age. Upregulated genes were generally related to immune response and cell signalling, particularly apoptotic regulation, while downregulated genes were of largely structural, extracellular function, as well as being related to the cell cycle. In this study over 17,000 genes were analysed, demonstrating the power of RNA-Seq in narrowing down investigation targets from the whole genome. Interestingly, low levels of non-native tissue-specific expression was detected in both sample tissues, suggesting that RNA-Seq was capable of detecting very low-level baseline expression of many genes.

Finally, RNA-Seq has can be used to target specific types of RNA. One study isolated microRNA (miRNA) from human centenarians and compared the resultant expression profiles to younger elderly controls (Gombar *et al.*, 2012). Twenty-four miRNAs were found to be differentially expressed in centenarians, of which 22 were upregulated. Further validation found that upregulation of *hsa-miR-363* was detectable by qPCR as a 2-fold increase. This miRNA was then investigated further using RT-qPCR, and it was found to be significantly overexpressed in B-cells of the centenarians compared to the controls, suggesting it as a candidate miRNA for involvement in ageing.

5 Conclusion

Due to the scope of the ageing problem it is necessary to narrow down the lines of investigation as much as possible for research to be efficient. This is particularly evident when studying the genetics of ageing, as such a wide array of genes are in some way involved in the ageing process, ageing being a systemic condition. As such, broad approaches such as expression analysis are an important stepping stone in the process of ageing research and allow the filtering of potentially huge data sets due to more manageable targets.

To complement this approach, reliable model organisms are needed. With the advent of RNA-Seq it has become possible to rapidly sequence and characterise the transcriptomes of new animal models, as well as to collect more in-depth data on current models. Selection experiments, selecting for long-life and stress resistances, provide ideal models for comparing the expression differences in long-lived animals since they not only provide the long-lived organism of interest, but also a control against which to compare, derived from the same genetic stock.

Project Outline

6 Introduction

Selection experiments in *Drosophila* have proven to be an effective means of studying ageing, and the advent of high-throughput sequencing technologies makes them once again a relevant method to determine the mechanics of ageing. To this end we selected for longevity in a recently wild-caught population of *D. melanogaster* recorded various phenotypic measures and analysed the transcriptomes of two of the lines with RNA-Seq.

7 Hypotheses

The comparison of long-lived organisms with shorter lived comparable organisms, e.g. comparison of the long-lived naked mole rat to mice, is an effective means of investigating the underlying biology of ageing (Yu *et al.*, 2011). A similar approach involves the generation of a long-lived strain of a model organism for comparison with wild-type controls through a process of artificial selection, an approach used to much effect in the past and with much promise in the future (Schlötterer *et al.*, 2015). Here is described an attempt at artificial selection for longevity in *Drosophila melanogaster* and accompanying phenotypic and transcriptomic comparison between the selected and control organisms. This approach is based on three fundamental hypotheses:

1. Healthy lifespan as a quantitative trait is heritable and can thus be manipulated in a population by artificial selection.
2. Non-lifespan, measurable phenotypes that are altered by the selection processes, so-called correlated responses, can be causatively linked to the longevity phenotype in a longevity selected line.
3. The transcriptome of longevity selected *Drosophila* will be altered compared to the controls, and the differences can be used to make inferences about the mechanism of the longevity phenotype.

These hypotheses are broadly accepted in the current literature. Lifespan has been shown repeatedly to be a heritable trait (Herskind *et al.*, 1996; Ljungquist *et al.*, 1998) and numerous selection experiments exist in *Drosophila* demonstrating this (Luckinbill *et al.*, 1984; Rose, 1984; Partridge and Fowler, 1992). Likewise, certain correlated responses have been shown to change with lifespan such as stress resistances (Rose *et al.*, 1992) or body composition (Lee *et al.*, 2008) and in certain cases causative links have been established (Hercus, Loeschcke and Rattan, 2003; Sarup, Sørensen and Loeschcke, 2014). Finally, numerous transcriptional differences have been identified between longevity selected *Drosophila* and their controls both by microarray (Bubliy and Loeschcke, 2005) and more recently RNA-Seq (Carnes *et al.*, 2015), providing a spring-board for more targeted investigation.

Rather than acting solely as a repeat for previous selection experiments, this investigation can be considered a screen for further discoveries. The plasticity of the ageing process, in addition to the

'black-box' nature of selection (Rose, 1984), means that repeated selection experiments, even using similar methods, can result in very different longevity phenotypes possibly mediated by different factors. This can be seen already in the wide variety of correlated responses to previous selection attempts, with some cases even of opposite responses arising from the same selection method (Harshman and Hoffmann, 2000).

8 Aims and Objectives

This project can be broken down into three aims, each consisting of several objectives to achieve that aim. These aims are outlined below with a rationale for the methods of each objective, the specifics of the familial selection method on which this project is based are summarised in Figure 1, with a more in-depth explanation of the process appearing in Chapter 2.

1. The generation, by artificial selection, of long-lived *Drosophila melanogaster*.
    a. Collection and lab-adaptation of wild-caught *Drosophila melanogaster* to act as the base population for selection – *Drosophila* were used due to their well-annotated genome (Attrill *et al.*, 2016), the large number of comparable selection experiments, their short lifespan and the ease by which their reproduction can be controlled (Ashburner, 1989). Wild-caught individuals were chosen over established lab-strains due to the increased genetic variation that is expected in wild populations (Gasch, Payseur and Pool, 2016). Because the aim of the selection method was to positively select for additive lifespan extending alleles, this increased variation was hoped to maximise the number of these alleles in the starting population and thus increase the chances of successful selection.
    b. Artificial selection by selecting directly on lifespan using a familial method (Zwaan, Bijlsma and Hoekstra, 1995). The familial method was chosen to allow selection directly on median lifespan, rather than selection on a known correlated trait such as fecundity or stress resistance. Median lifespan was used as a metric because it gives the best indication of health span, whereas mean and maximum lifespan can be easily skewed by individual, unusually long-lived flies.
2. Phenotypic comparison of the selected flies to the controls, with a view to identifying correlated responses to selection that may be related to the longevity phenotype.
    a. Assay the selection lines for various phenotypes putatively associated with ageing in some way including:
        i. **Life history characteristics** the simplest method to select for long-life involves selection on life-history characteristics such as fecundity (Rose and Charlesworth, 1981b). Other traits such as size and larval viability are also often associated with longevity phenotypes (Buck *et al.*, 2000).
        ii. **Stress resistances** altered stress resistance has been associated with lifespan modulation in both directions (Service *et al.*, 1985; Broughton *et al.*, 2005)
        iii. **Physiological measures** body composition, for instance lipid or water content, are closely connected to various longevity associated traits such as starvation or desiccation resistance (Service *et al.*, 1985; Nghiem *et al.*, 2000).

3. Transcriptomic comparison of the selected flies to the controls to identify possible targets for future investigation.

    a. Compare the transcriptome of long-lived selected *Drosophila* to their controls using RNA-Seq. RNA-Seq was chosen rather than microarray because it allows greater coverage of the transcriptome, higher accuracy and the potential for discovery of novel transcripts (Zhao *et al.*, 2014).

    b. By comparing the transcriptomic and phenotypic data, determine possible targets for further study and intervention, specifically genes that could be over- or underexpressed using drugs or transgenic means.

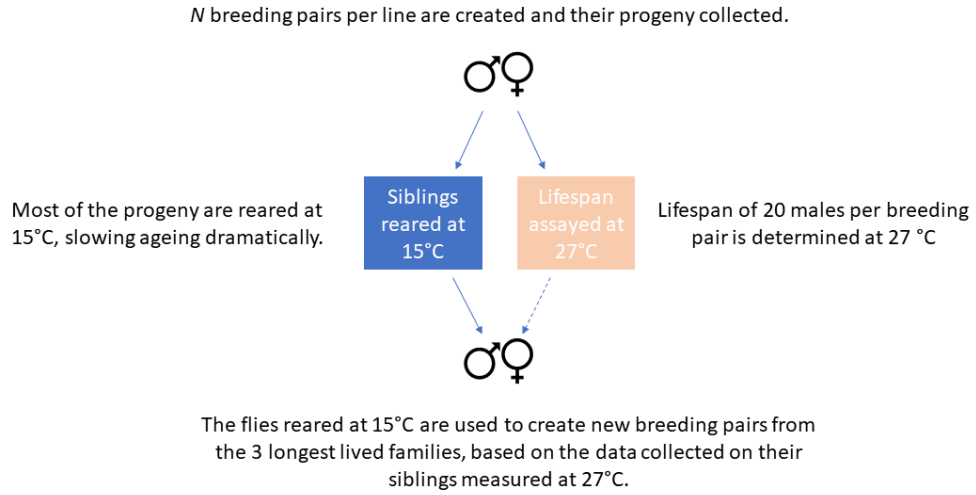

Figure 1. Graphical representation of one generation of familial selection. Wild-caught *D. melanogaster* were subject to 5 generations of direct selection on lifespan and various phenotypic characteristics were measured after both 3 and 5 generations of selection. Additionally, after 5 generations of selection, the transcriptomes of one control and one long-lived line from the selection were compared by RNA-Seq.

Chapter 2- Direct Selection on Lifespan

1 Introduction

Selection experiments offer a unique opportunity in the study of ageing. By selecting for long-life and associated traits, it is possible to study the development of ageing phenotypes as they occur. Selection experiments are also no longer an 'evolutionary black box' (Rose, 1984), as new technology allows deeper investigation into the inner workings of the selection process.

Simply, selection experiments aim to create a bespoke model organism to study a problem. What separates selected animals from transgenic options such as the mitochondrial mutator mouse (Trifunovic *et al.*, 2004) or GAL4/UAS *Drosophila* (Brand and Perrimon, 1993) is that the mechanisms of the lifespan change by selection are initially unknown. This quality allows selection experiments to act as a powerful screen to help confirm existing mechanistic theories and discover new ones.

For selection experiments, especially longevity selection experiments, *Drosophila* are an ideal model organism. They have a relatively short lifespan, are easy and cheap to maintain with no ethical issues, have controllable mating behaviour and are genetically well understood, with numerous genome available and a long history of research (Ashburner, 1989). These last two points make *Drosophila* competitive against other invertebrates, for instance the flour beetle *T. castaneum* or the roundworm *Caenorhabditis elegans*.

2 Historical Selection Experiments

Probably the oldest recorded selection experiment studying age at reproduction was carried out in the parthenogenetic rotifer *Philodina citrina* (Lansing, 1947). The rotifers could reproduce at either 4, 11 or 17 days old, and the longevity of the progeny was recorded for four generations. Somewhat unexpectedly, the late reproduction lines saw their mean lifespan drop rapidly each generation, while the controls reproducing at 4 days remained relatively unchanged. Further investigation again saw an inverse relationship between the age at reproduction in *P. citrina* and the number of generations that such a population could survive (Lansing, 1948).

This phenomenon, while interesting, was not deemed relevant to ageing in higher animals given the unusual reproductive system of rotifers. To test the so called 'Lansing effect' in a more relevant model, a similar experiment was carried out in *Drosophila subobscura*, breeding only from flies that reached 30 days of age (Comfort, 1953). There was no observed difference in lifespan after 8

generations of this selection, suggesting that the results observed by Lansing were not applicable in fruit flies and may have been specific to rotifers.

Selecting on other aspects of the *Drosophila* life-cycle also yielded interesting results pointing to the possibility of longevity as a heritable and thus selectable trait. An experiment in *Drosophila persimilis* selected for either slow or fast development time, with an unselected control for comparison (Spiess and Spiess, 1966). Longevity was tested under the hypothesis that slower developing flies would be longer-lived, however the opposite appeared to be the case, with the 'fast' selected females living about 50% longer than the 'slow' selected females, however both selected lines were shorter lived than the controls.

The earliest selection experiments to explicitly study whether ageing had a genetic component were carried out in *T. castaneum*. Beetles were selected for a decreased lifespan by killing each generation shortly after it reached reproductive age. This regime significantly reduced median lifespan in both strains tested, although not consistently between the sexes (Sokal, 1970).

A similar experiment was carried out in 1975, again using *T. castaneum* although this time selecting for fecundity at a range of ages in early life. Again, the earlier in life that the selection pressure was established, the shorter the lifespan that was developed, with the unselected control line remaining the most long-lived. However, many of the comparisons were non-significant, and still few conclusions could be drawn about the genetics of longevity, since the increased early fitness was shortening lifespan, not lengthening it (Mertz, 1975).

3 Selection on Fitness Characteristics

3.1 Selection on Fitness Components

By far the most frequently used method for the selection of longevity in *Drosophila* is the selection of some sort of fitness characteristic, typically achieved by collecting eggs only from flies that live to a certain age, or by selecting old flies that have retained the highest fecundity in a population. These experiments were initially concerned with unpicking the evolutionary theory of ageing, aiming to determine whether mutation accumulation (Medawar, 1952) or antagonistic pleiotropy (Williams, 1957) were primarily responsible for the ageing process.

The first successful attempt to select on fitness characteristics in *Drosophila* with a view to extending lifespan began in 1981 with a small pilot experiment by Michael Rose and Brian Charlesworth, accompanied by a sib analysis of *Drosophila* females investigating the link between fecundity and lifespan (Rose & Charlesworth 1981a; Rose & Charlesworth 1981b). The means of selection was based on egg laying ability. Egg laying was measured over a five-day period for each line and the flies

laying the most eggs were selected to continue the line. A control line, selecting the best layers from days 1-5 post-eclosion, and a selected line, selecting the best layers from days 21-25, were carried through three generations. This method achieved a modest increase in lifespan, despite the lack of replicate lines, accompanied by a decline in early fecundity and egg laying rate, corroborating with the sib analysis to suggest that ageing evolved in Drosophila primarily due to antagonistic pleiotropy.

This pilot was followed up with a larger, more rigorous selection experiment (Rose, 1984). Five control lines and five selected lines were created (although due to accidental loss of two selected lines, only three lines of each treatment were reported), with the control lines being reared in discrete generations of 14 days, while the selected lines were reared in discrete generations of progressively longer time periods, starting at 28 days and finishing at 70. The selection was successful in extending lifespan, with selected males living 13% and selected females living 22% longer than the controls. Again, this was coupled with a decline in early fecundity for the selected lines, although no change in total lifetime fecundity was seen.

Concurrently, Luckinbill *et al.* carried out a similar experiment, selecting on both early and late fecundity (Luckinbill *et al.*, 1984; Luckinbill and Clare, 1985). Early selected lines reproduced at 2-6 days post-eclosion for 26-29 generations, while the late selected lines reproduced at 22 days in the first instance which eventually progressed to 70 days by the 21st generation. This selection was very successful in extending lifespan with a more than 2-fold increase in the late selected lines at its highest point at generation 13. Subsequent generations also saw in increase in absolute lifespan for the late selected lines, however there was also a substantial increase in lifespan for the early selected lines over these generations, reducing the gap between them. Furthermore, an additional selection experiment was reported in these papers, showing that controlling larval density in the selection led to a much lesser response in the late selected lines.

3.2 Criticisms and Developments

These experiments were criticized for jumping to conclusions about the evolution of ageing, despite methodological flaws. It was noted that the control and selected lines were not necessarily assayed at the same time and certainly not at the same generation since the start of the experiment (Baret and Lints, 1993). This is an important point due to the well-known and studied fluctuation of lifespan in laboratory *Drosophila* populations, presumably due to non-random but uncontrollable environmental factors (Lints *et al.*, 1989). This particular criticism was answered with a large scale and more rigorous lifespan experiment on the selected lines of Luckinbill and Clare (1985), using a larger sample size and initiating the lifespans concurrently for both selected and control lines (Fukui, Pletcher and Curtsinger, 1995). A strong lifespan extension was shown in both males and females,

selected males showing a 46% increase in mean lifespan while selected females saw a 21% increase. Additionally, continuation of the selection experiments long after the original publications showed the lifespan extension to be robust, as well as correlated responses to selection (Arking and Buck, 1995).

Another key criticism was that these selection experiments were carried out with uncontrolled larval density, and that when larval density was controlled the response to selection disappeared. This criticism was also extended to the life-history assays carried out in both experiments, since larval density and competition were known at the time to contribute to variation in many life-history traits, a view since supported by further research (Miller & Thomas 1958; C. Roper et al. 1993a; Leips & Mackay 2000). The lack of response to selection when controlling for larval density was conceded, with the conclusion that the lifespan extension achieved by the delayed fecundity method, in this case, was dependent on a minimum threshold larval density (Luckinbill and Clare, 1986).

In order to tighten up the design and provide firm answers on the effect of longevity selection on life history traits, a new selection was carried out and larval density controlled during the life history assays (Partridge & Fowler 1992; Roper et al. 1993b). Two selections were set up using different base stocks, both outbred laboratory strains although one was far more recently collected. Each strain produced three control and three selected lines, and the method of selection was similar to that of previous experiments. Lifespan was assayed after controlling for larval density, along with a host of other life-history characteristics. Lifespan was successfully extended in both males and females, although males did not respond in one of the two strains. Interestingly, there was no decrease in early fecundity observed in the selected females. This is opposed to the results of Rose and Luckinbill, suggesting that altered fecundity is not inextricably linked to long-life.

Further improvements were made when another selection was carried out, controlling larval density throughout the experiment (Partridge, Prowse and Pignatelli, 1999; Sgrò *et al.*, 2000). Again, controls could reproduce in early life, while selected flies reproduced 3-4 weeks later, larvae were collected and transferred to vials to develop at a standard, low density. The selection was successful, extending female mean lifespan by about 23%, and differed from previous studies in that there was no increase in late-life fecundity in the selected flies. This corroborated Partridge and Fowler (1992), again suggesting that the lifespan extension from this method of selection is not necessarily due to a delay in fecundity, but could be due to a decrease in overall female fertility, or potentially the 'purging' of deleterious mutations in the selected lines as predicted by the mutation accumulation theory.

3.3 Other Approaches and New Questions

Another slightly different selection method was employed by Promislow and Bugbee (2000). Instead of selecting on late reproduction, they selected on time to physiological maturity i.e. the time until the flies were able to lay fertile eggs. Using *Drosophila simulans*, flies were either selected to be the earliest in the cohort to start laying, or the latest in the cohort to start laying. Although this method is less direct than those previously used, it still led to a modest lifespan increase in one of the female lines, although this may have been in part due to genetic drift.

Modern technologies have also allowed further investigation into longevity selection. For instance, *Drosophila* selected for late female fecundity were generated, extending virgin lifespan in both males and females, and then subjected to genomic sequencing and microarray expression analysis (Remolina *et al.*, 2012). This experiment was able to identify numerous genetic variants associated with microbial defences, as well as in genes related to proteolysis. Significant increases in expression associated with these processes was also detected in numerous genes. As new techniques develop, ever deeper investigation into long-lived selected organisms will be possible.

Selecting for delayed fecundity has been used when investigating the link between stress responses and longevity. Norry and Loeschke (2003) used flies selected for delayed fecundity and flies selected for improved heat stress resistance to examine the effects on the molecular chaperone *Hsp70*. They found that selecting for heat stress resistance increased both male lifespan and *Hsp70* expression, whereas the long-lived delayed fecundity selected flies had a decreased *Hsp70* expression, but also saw lifespan extension in females. These experiments were further developed by selecting for a range of traits, including delayed fecundity, heat stress, heat knockdown, cold stress, starvation and desiccation resistances (Bubliy and Loeschcke, 2005). Finally, delayed fecundity selection in *Drosophila buzzatii* has been used to study the connection between lifespan, life-history and stress resistance (Scannapieco, Sambucetti and Norry, 2009). Flies were successfully selected for increased lifespan in both males and females (although this was at least partly due to a reduction in frailty, rather than onset or rate of rate). Tradeoffs with longevity were found in fecundity and development time, while stress resistances generally increased, including heat and cold stress.

4 Selection on Stress Responses

4.1 Stress Resistance and Longevity

While selecting to increase lifespan was shown in some cases to increase stress resistances, selecting on stress resistances as also been shown to increase lifespan in some cases. The stress resistances

selected vary but are typically based on those noted as correlated responses from previous selection experiments and in known long-lived mutants.

4.2 Starvation and Desiccation Resistance

Two related stress resistances commonly associated with long-life are starvation and desiccation resistance. Both have been selected for multiple times; for instance Rose *et al.* selected on both in 1992, increasing longevity in both cases (Rose *et al.*, 1992). This experiment was a continuation of the previous selection on delayed fecundity (Rose, 1984), using the same populations as the base of selection. Flies from both the control and long-lived populations were exposed to either starvation or desiccation and the survivors allowed to reproduce. Using these methods, it was possible to draw conclusions about the degree of involvement of starvation and desiccation resistance genetic architectures in the original lifespan increase in the selected lines.

Another selections on starvation and desiccation started with base populations of various lab strains, crossed to increase variation (Harshman *et al.*, 1999).Using a base population initiated by crossing numerous inbred strains, a strong direct response on starvation resistance selection was achieved, which correlated with numerous other stress resistances including desiccation, however there was no increase in general longevity.

Finally, starvation resistance has been selected in tandem and compared to flies selected for other stress resistances and long-life (Bubliy and Loeschcke, 2005). Here, starvation, desiccation, cold, heat and heat-knockdown resistances were selected for independently in a line generated by combining four lab strains, including one previously selected for heat-stress resistance. Increased starvation resistance was noted across all the selection regimes, apart from the heat-stress selection. However, increased lifespan was not a correlated response for any of the stress resistance selected lines and was not a significant direct response in the late fecundity selected lines. This suggests that in this case, starvation resistance was closely linked to other stress resistances, but the genetics are not involved in lifespan extension in late-fecundity selected flies.

4.3 Selection on Heat Stress Resistance

Heat stress resistance is another common correlated response to increased longevity. Selection using various methods of heat stress resistance easily leads to a direct response, often an increase in resistance well over 3-fold, changes in allele frequencies of heat-shock related genes (McColl, Hoffmann and McKechnie, 1996), slightly slowed development time (Loeschcke and Krebs, 1996), and increases in other stress resistances such as cold shock recovery (Bubliy and Loeschcke, 2005). Interestingly, heat stress resistance and heat knockdown resistance are not necessarily selected for together, and likewise heat stress resistance selected for at different points in development only

seems to improve resistance at the point of selection, so for instance selecting for larval heat resistance does not confer adult heat resistance and vice versa.

Data from heat stress selection confounds the results of the delayed fecundity experiments where it was found that controlling for larval density reduced the selection response and heritability of longevity, with a selection on heat knockdown resistance showing no such decrease in selection response (Bubliy, Imasheva and Loeschcke, 1998). This experiment did however show a greater resistance to heat stress in the lines with uncontrolled larval density, perhaps due to altered metabolism during development or a hormetic response to early life stress.

An alternative approach to direct selection on heat stress resistance is a semi-natural selection process, of simply rearing replicate populations at separate temperatures. This was carried out, keeping replicate populations at 18°C, 25°C and 28°C for over 20 years (Bettencourt *et al.*, 2002). Certain alleles for the *hsp70* gene cluster fixed in the 28°C populations but not in the populations at lower temperatures. While this may have been due to drift and bottlenecks in the lab environment, it agreed with the allele frequencies detected in numerous wild populations also tested for the experiment. Although this has little relevance to ageing research, the evidence that even low levels of heat stress such as a continuous 28°C environment can lead to increased allele frequency and fixation at *hsp70* loci may go some way to explaining the ease of selecting on heat resistance compared to longevity, as well as the common detection of heat stress resistance in long-lived lines. Such details are important because it is not an easy task to unpick 'true' correlated responses to a direct selection from those which are coincidental or artefacts of the selection regime.

Finally, it is possible that selection on heat-stress resistance can extend lifespan as a correlated response. Heat stress selection has been shown to give a small increase in lifespan at 25°C, with a slightly significant increase of 13% mean lifespan in males, although female lifespan increase was non-significant (Norry and Loeschcke, 2003).

5 Selection on Longevity

A final method is to select directly on longevity, that is, to measure the longevity of individual families and then breed only from the longest lived. The biggest problem with this approach is that it is difficult to predict the longevity of an organism before it has died, and fecundity declines with age. Due to the scrutiny required during these experiments, it has also been necessary to keep the population sizes small, leading to inbreeding, low initial variation and a high risk of bottlenecks and fixation.

Despite these drawbacks, direct selection remains the only way to unambiguously select for longer life, without introducing bias into the evolutionary path taken, i.e. selecting on stress resistance may extend lifespan as a result of changes in stress resistance but selecting on lifespan makes it more likely that a novel or unexpected mechanism is responsible for any observed lifespan extension (Zwaan, Bijlsma and Hoekstra, 1995).

The first attempt to select directly on lifespan yielded mixed results (Lints *et al.*, 1979). Breeding pairs were established and bred approximately 15 days before 75% population mortality was expected. Once 75% mortality was reached, the progeny of the longest living pairs were then used to set up the next generation. Lifespan was not increased in the selected lines relative to the controls although lifespan of both the selected and control lines increased markedly compared to the base population. It was reasoned that these unusual results were likely due to uncontrolled environmental factors rather than a hereditary element to ageing. This conclusion was challenged however, and a later interpretation by Baret *et al.* suggested that a small lifespan extension was observed to a small extent in the original experiment (Fukui, Pletcher and Curtsinger, 1995).

More recently, Zwaan *et al.* (1995) used an updated familial selection method in order to avoid some of the pitfalls experienced previously. The method exploits the plasticity of *Drosophila* lifespan, which as a poikilotherm, can be modulated effectively by changing the environmental temperature. In short, breeding pairs produced offspring, some offspring were reared at 15°C, slowing ageing, while the others had their lifespan measured at 29°C, speeding ageing. By the time enough data was gathered from the lifespan assays to determine the longest-lived families, the siblings reared at 15°C were reaching a biological age of about young-adulthood and so the siblings of the longest-lived flies reared at 29°C could be selected to form the breeding pairs of the next generation. This method was successful in extending lifespan by about 28% in females and 10% in males after 4 generations and did not cause the same alteration of the reproductive schedule as seen in previous experiments, although there was a significant reduction in total lifetime progeny in the selected flies. The response to selection was more extreme when tested at 29°C, suggesting at least a minor role of temperature in the lifespan extension.

6 Conclusion

Selection experiments continue to be a useful method for the study of ageing. However, it is important to consider the selection methodology and how appropriate it is to answer your questions. Although selection experiments are time-consuming, with careful planning they can be a powerful method to develop a suitable model organism for an experiment, without the need to resort to mutagenic, transgenic or chemical interventions.

We have designed and carried out a selection experiment to select directly on lifespan, using the familial method of Zwaan *et al.* We used wild-caught flies to maximise initial variation and lowered the temperature of the lifespan assays to 27°C to reduce the potential bias towards heat-shock genes in the selection. The purpose of this selection was to investigate the transcription profile of long-lived organisms, and so the transcriptome of the selected flies was later characterised using RNA-Seq, and a range of phenotypes were tested to guide interpretation of the transcriptome data.

Materials and Methods

7 Collection and Identification of *Drosophila melanogaster*

7.1 Collection of Flies

Drosophila were collected by aspirator from Williamson's Park Butterfly House and a domestic glasshouse in Lancaster, UK, October 2013. Around 20 individuals were collected at each location and transported to the lab in bottles containing stock medium (Table 16). Flies from separate locations were kept apart at this stage.

Females were isolated and transferred individually to vials of cornmeal medium (Table 16) and allowed to lay. After 2 days, females were tipped to fresh vials and the larvae reared under standard conditions. On eclosion, flies were examined to determine their species.

7.2 Species Identification

Collected flies were identified as *D. melanogaster* morphologically and based on mating compatibility. Morphology of males was examined under a dissecting microscope using the criteria outlined in (Ashburner, 1989).

The most reliable characteristic to identify *D. melanogaster* is the male genital structure located on the epandrium (Figure 2A). The phallus has flexible lateral expansions and a further expansion aligned with the claspers. The anal plates lack a ventral process and teeth (Figure 2**Error! Reference source not found.**B) and the genital arch has expansions wider than they are long, with a further trapezoidal expansion (Figure 2C).

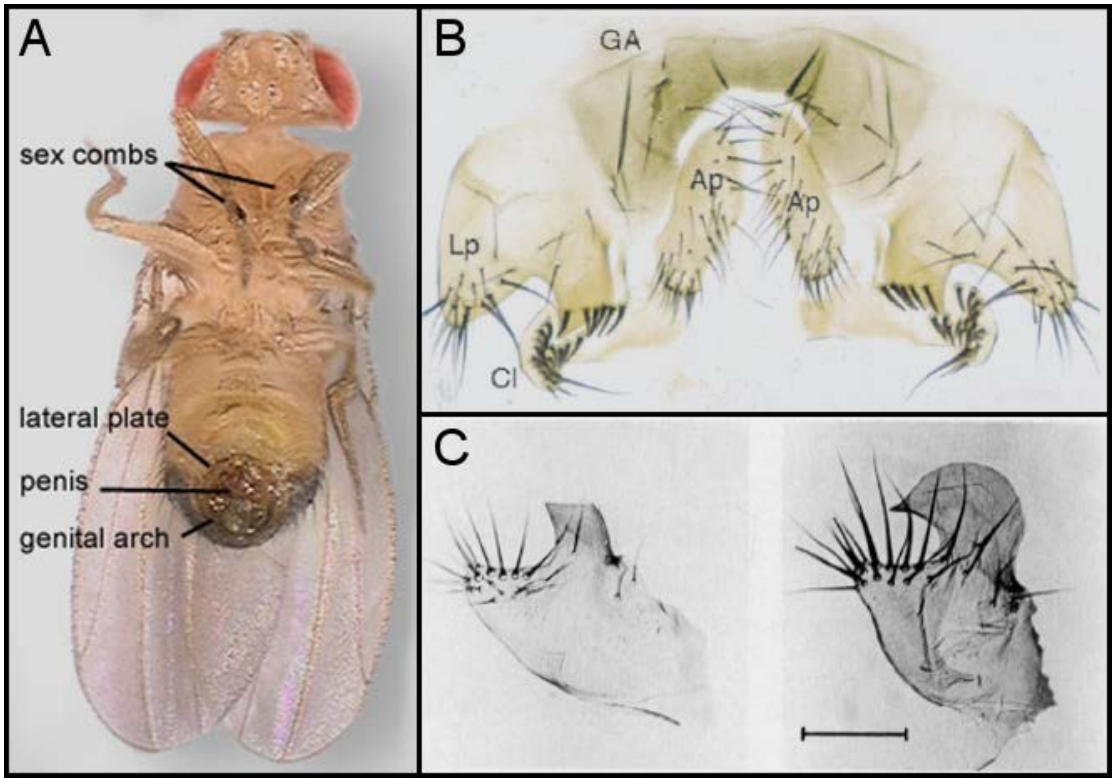

Figure 2. Morphology of male *D. melanogaster*. (A) Shows the whole body morphology, and location of the genitalia at the epandrium (Weigmann *et al.*, 2003). (B) Shows the male genitalia in a wild-type *D. melanogaster* noting the Ap, anal plate; Cl, claspers; GA, genital arch; Lp, lateral plate (Gorfinkiel, Sánchez and Guerrero, 1999). (C) Shows a close up of the genital arch in *D. melanogaster* (left) and *D. simulans* (right), both genital arch images are at the same magnification and the scale line measures 100 micrometres (Coyne, 1983).

To further differentiate with *D. simulans*, the most similar species to *D. melanogaster* in terms of morphology, cheek width and maxillary palp bristle number were examined. The cheek of *D. simulans* is narrower than that of *D. melanogaster* (Figure 3) and the maxillary palps, located at the mouth, have fewer bristles (Figure 4).

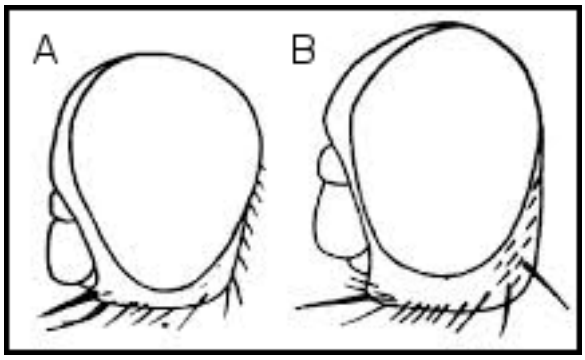

Figure 3. Sketches of the heads of (A) *D. simulans*, and (B) *D. melanogaster* from the side, showing the wider cheeks of *D. melanogaster* (Burla, 1951).

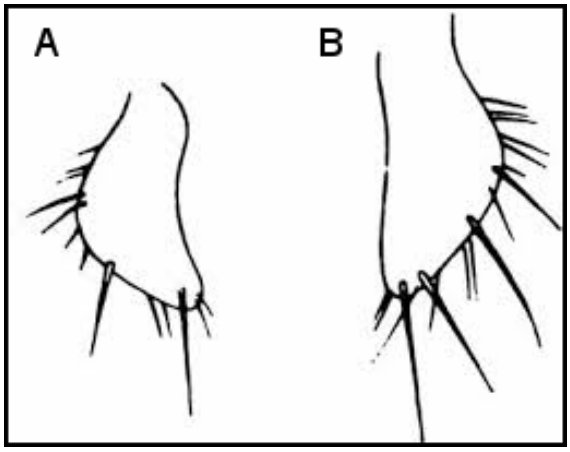

Figure 4. Sketches of the maxillary palps in (A) *D. simulans* and (B) *D. melanogaster*, showing the different number of bristles (vibrissae) in each (Burla, 1951).

Finally, five virgin females from each isofemale line were outcrossed to males from the lab strain w^- Dahomey and the resulting progeny were mated and allowed to lay. The presence of viable larvae produced by this F2 generation confirm the original parents as *D. melanogaster* and rule out the possibility of *D. melanogaster*/*D. simulans* hybrids contaminating the stock.

In total, 18 lines were identified as being *D. melanogaster* and were used to set up the base population for selection.

8 Lab Adaptation and Line Initiation

8.1 Tetracycline Treatment

Isofemale *D. melanogaster* lines were reared for two generations on cornmeal medium spiked with 0.03% tetracycline. This was to clear parasitic infections such as *Wolbachia*, an intracellular parasite that can lead to increased variability in lifespan experiments (Fry, Palmer and Rand, 2004).

Lines were reared for two further generations on standard cornmeal medium to alleviate the side effects of tetracycline treatment, which can continue to affect fitness in the offspring of flies exposed to it (Ballard and Melvin, 2007).

8.2 Generation of Base Population

The base selection population was started by mixing 5 males and 5 females from each isofemale line in a mesh cage, where they were reared in overlapping generations under standard conditions. The flies were supplied with a bottle of cornmeal medium, with another bottle being added every 4 days until 5 bottles were in the cage. The bottles were then replaced with dishes containing laying medium painted with yeast paste. The flies could lay for 24 hours and the eggs were collected and pipetted into 8 bottles of cornmeal medium at a density of 26µl per bottle (for protocol see Chapter

3, Section 23.1). Larvae were reared under standard conditions until eclosion at which point they were used to set up the selection lines.

8.3 Line Initiation

On eclosion, the virgin flies were separated into males and females under light CO_2 anaesthesia. Sixty breeding pairs were set up, each consisting of a single male and a single female. These breeding pairs were left to mate and lay in vials of cornmeal medium sprinkled with live yeast, being moved to a fresh vial every 2-3 days so that they laid in 3 vials over the course of 1 week. Of the 60 breeding pairs, 49 produced live larvae.

9 Direct Selection on Lifespan

9.1 Familial Selection Method

To select directly on lifespan, a selection method adapted from Zwaan et al., (1995) was used. Each generation of each line was initiated by between 6 and 14 families, each initiated by a single breeding pair. These breeding pairs were allowed to mate and lay in 4 consecutive vials of cornmeal medium, sprinkled with live yeast, over the course of a week. Limiting the flies to 1-2 days laying in each vial ensured that no vial ever contained more than 100 eggs, and in most cases much less, reducing the effects of larval competition on the developing flies.

The larvae were reared under standard conditions until they eclosed, at which point all hatched flies were collected and sex segregated every 8 hours. This ensured they were all virgins since *Drosophila* do not mate in the first 8 hours of life (Ashburner, 1989)$. Of the flies collected, the three-day period in which the most eclosed was determined and these flies were used for the selection process. Twenty virgin males per family were removed to a fresh vial and their lifespan was assessed at 27°C, scoring deaths and tipping to fresh food under CO_2 anaesthetic every two days. Additionally, 20-30 virgin males and 20-30 virgin females were also collected from the same time-frame and reared in single-sex vials at 15°C, slowing development and ageing. These flies were tipped to fresh food once a week and were used to propagate the next generation of selection after the lifespans of their siblings had been determined.

In total there were 5 generations of selection in this manner, with 2 generations of relaxation between generations 3 and 4.

9.2 Selection Relaxation

At generation 3 of the selection experiment, the lines were relaxed to alleviate inbreeding depression. To achieve this, 5 males and 5 females from each family were combined in a breeding

cage for each line and allowed to mate. This mixing was allowed for two discrete generations before new breeding pairs were collected as before and generation 4 of selection was initiated.

9.3 Lifespan Analysis

All analyses were carried out in the R environment (R Core Team, 2018) using RStudio (RStudio Team, 2016). Lifespan data were modelled as Kaplain-Meier curves using the 'survival' package and compared by pairwise log-rank tests corrected for multiplicity using the package 'survminer' (Kassambara and Kosinski, 2018). To assess the contributions of each line to each selection regimes longevity, the Cox proportional hazard model was used, also from the 'survival' package (Therneau, 2015). Gompertz demographic rates of ageing were determined to assess the overall health of the lines. Estimation of Gompertz parameters allows the 'shape' of the survival curve to be quantified, and comparisons to be made of the 'squareness' of the curve, with the optimum being a decline in age-independent mortality accompanied by an increase in age-dependent mortality. Such a shape indicates healthy life followed by sudden death, as opposed to gradual decline (Eakin and Witten, 1995). Gompertz parameters were estimated using the 'flexsurv' package (Jackson, 2016). Finally, onset of ageing was estimated using the method outlined in Johnson, McKechnie, & Clancy (2006).

Results

The first aim of the project was to select directly on median lifespan in *Drosophila melanogaster* to create long-lived lines that could then be investigated further. This was achieved first by collecting wild *Drosophila* and briefly adapting them to the lab. From this base population of wild-caught flies, 2 control lines (C1 and C2) and 2 longevity selected lines (S1 and S2) were established, which were then subjected to 5 rounds of familial selection to extend lifespan in the S1 and S2 lines. To counteract possible inbreeding depression, 2 generations of relaxed selection took place in all lines between generations 3 and 4 of the selection regime.

At each generation of the selection the lifespan of each selection line was measured, and the survival curves for each regime were compared by pairwise log-rank tests corrected for multiplicity by the Benjamini-Hochberg procedure. Additionally, demographic modelling of Gompertz parameters was used to compare the rates of ageing between lines, and Cox proportional hazard models were used to assess the benefit of the selection regime to survivability.

10 Direct Selection on Lifespan

10.1 Base Population

After brief lab adaptation, wild-caught *D. melanogaster* were crossed into a single base population. From this base population 35 breeding pairs, each consisting of 1 male and 1 virgin female, were collected and allowed to reproduce, creating 35 individual families. The lifespan of these 35 families was measured and assessed and the longest-lived families were then chosen to propagate the S1 and S2 lines, while the remaining families propagated the C1 and C2 lines.

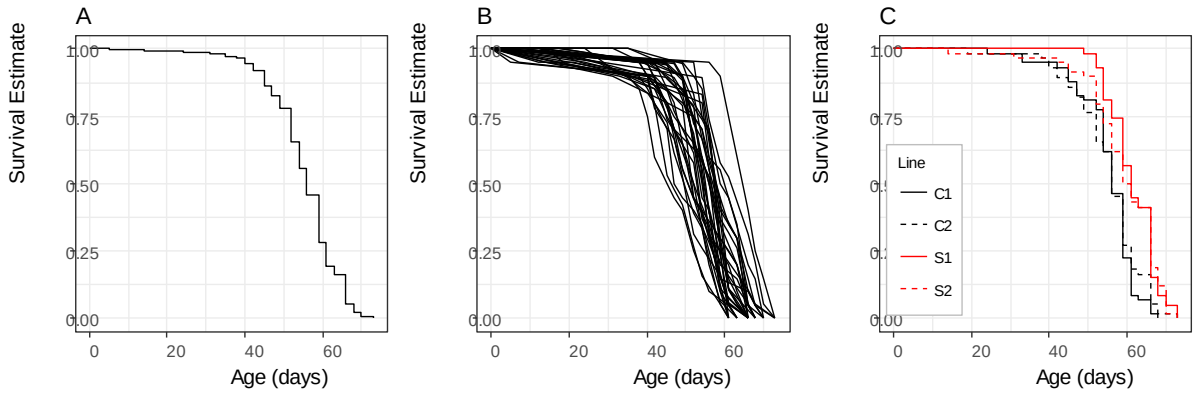

Figure 5. Kaplain-Meir survival curves of the base population reared in laboratory conditions for several overlapping generations and tested at 27°C. (A) Survival of the entire base population from which the selection lines were created (n=700). (B) Survival curves representing the 35 individual families that comprised the base population (n=20). (C) Survival of the initiating families of each selection line, each line being composed of three families (n=60).

Line	n	Onset of Ageing (days)	Median Lifespan (days)	LCI	UCI
Control 1	60	42	56	56	59
Control 2	60	38	56	56	59
Selected 1	60	49	61*	59	66
Selected 2	60	49	61*	59	66

Table 1. Sample size, median lifespan and confidence intervals for each line in the initial generation before selection. * indicate significance relative to both controls of at least $p < 0.05$ as tested by pairwise log-rank and corrected for multiplicity using the Benjamini-Hochberg procedure.

Since no artificial selection had yet been applied, this initial generation reflects the longevity and survival characteristics of the base population of *Drosophila* used for this selection experiment. The population lifespan (Figure 5A), composed of the aggregated results of all 35 initial families, has a square survival curve, which is characteristic of a healthy population. A high degree of variation in lifespan can be seen within the base population (Figure 5B), which allowed the selection of the longest-lived families to make up the S1 and S2 lines. The average median survival of the families selected to propagate each line was consistent within each regime (Table 1) with the C lines having a median lifespan of 56 and the S lines having a median lifespan of 61. This represented a starting difference of 9% in the S lines relative to the C lines and was accompanied by a 22.5% delay in age at onset of ageing. Each of these lines were propagated from 3 families, the combined survival of which can be seen in Figure 5C.

Effect	Hazard Ratio (hr)	LCI (hr)	UCI (hr)	p-value
Treatment	0.42	0.29	0.61	8.95x10-6
Control(Line)	0.80	0.55	1.16	0.24
Selected(Line)	1.07	0.74	1.54	0.71

Table 2. Cox proportional hazard model of the selection lines, showing the effect of treatment, and line nested within each treatment, as well as confidence intervals for the hazard ratio and its significance.

Representative of this increase in median lifespan, and consistency between the lines, the Cox proportional hazard model shows that there is a highly significant reduction in hazard in the S lines relative to the C lines, but no difference between lines within the S or C regimes.

Line	Age-independent Mortality (a) ($x10^{-6}$)	LCI (a) ($x10^{-6}$)	UCI (a) ($x10^{-6}$)	Age-dependent Mortality (b)	LCI (b)	UCI (b)
Control 1	6.42	0.92	44.9	0.18	0.14	0.21
Control 2	45.9	10.1	209	0.13	0.11	0.16
Selected 1	1.42	0.16	12.6	0.18	0.15	0.22
Selected 2	15.1	2.50	91.8	0.14	0.11	0.18

Table 3. Gompertz parameter estimates for each line in the initial generation before selection, including confidence intervals for each parameter.

Finally, despite the significantly longer lifespan and reduction of hazard in the S line families in the base population, demographic modelling suggested that all 4 lines had equally healthy survival curves with a low age-independent mortality and rapid age dependent mortality (Table 3).

10.2 Initial Rounds of Selection

After establishing the base population, selection on median lifespan could begin. For 3 generations, selection proceeded as planned, with the 3 longest lived families of the S lines, and 3 randomly chosen families of the C lines, being selected each generation to propagate the next generation. Due to fluctuations in the fecundity and viability of the lines, the number of families assayed at each generation varied.

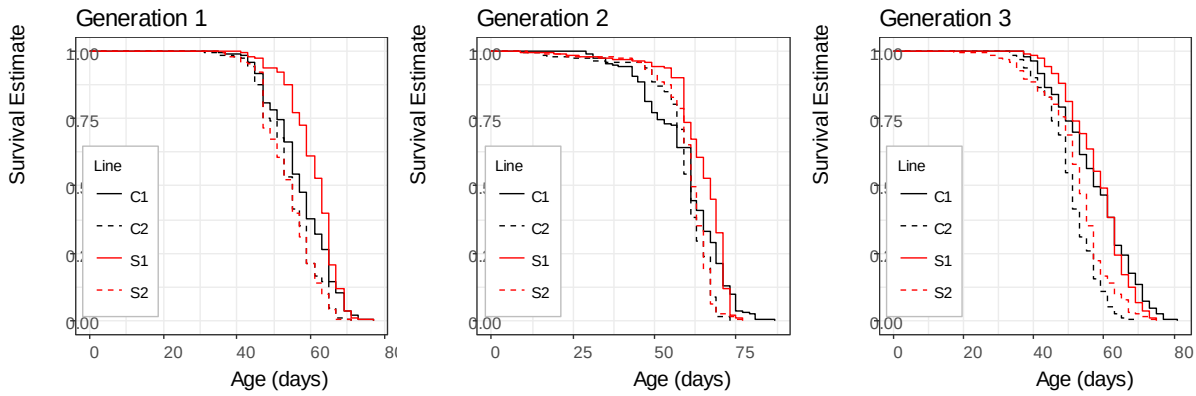

Figure 6. Kaplain-Meir survival curves of the initial generations of selection, before the selection was relaxed. Each line was composed of numerous families depending on fecundity for that generation, and lifespan was measured at 27°C.

A) Generation 1					
Line	**n**	**Onset of Ageing (day)**	**Median Lifespan (days)**	**LCI**	**UCI**
Control 1	360	41	57	55	59
Control 2	180	41	55	53	55
Selected 1	360	39	63*	61	63
Selected 2	210	43	55	53	55
B) Generation 2					
Line	**n**	**Onset of Ageing (day)**	**Median Lifespan (days)**	**LCI**	**UCI**
Control 1	200	41	61	61	63
Control 2	139	47	61	59	61
Selected 1	200	57	67*	65	69
Selected 2	160	43	61	61	63
C) Generation 3					
Line	**n**	**Onset of Ageing (day)**	**Median Lifespan (days)**	**LCI**	**UCI**
Control 1	160	37	57	55	61
Control 2	189	33	51	49	51
Selected 1	176	39	59	57	61
Selected 2	359	33	53	53	55

Table 4. Sample size, median lifespan and confidence intervals for each after the first 3 rounds of selection. * indicates significance relative to both controls of at least $p < 0.05$ as tested by pairwise log-rank and corrected for multiplicity using the Benjamini-Hochberg procedure.

After one generation of selection, S1 continued to show longer lifespan than the controls, with 12.5% median lifespan extension and an 11% delay in the onset of ageing, however S2 remained at the control lifespan (Table 4A). After two generations of selection the S1 median lifespan was 9.8% higher than the controls while S2 continued to show no difference (Table 4B**Error! Reference source not found.**). This slight reduction on the lifespan extension compared to generation 1, is caused by the relative increase in lifespan of both control lifespan and the non-responding S2 line. After three

generations of selection, the lifespan extension in S1 was severely reduced, while S2 continued to show no response. While the median lifespan of S1 was still higher than the controls, 9.3% higher if considering both controls, it was only 3.5% higher than C1 alone, non-significant by pairwise log-rank test (Table 4C).

A) Generation 1				
Effect	**Hazard Ratio (hr)**	**LCI (hr)**	**UCI (hr)**	**p-value**
Treatment	0.75	0.65	0.87	$1.65x10^{-4}$
Control (C2 vs C1)	1.66	1.38	1.99	$7.51x10^{-8}$
Selected (S2 vs S1)	2.41	2.02	2.87	$2x10^{-16}$
B) Generation 2				
Effect	**Hazard Ratio (hr)**	**LCI (hr)**	**UCI (hr)**	**p-value**
Treatment	0.85	0.70	1.04	0.12
Control (C2 vs C1)	1.83	1.45	2.30	$2.63x10^{-7}$
Selected (S2 vs S1)	1.90	1.52	2.36	$9.26x10^{-9}$
C) Generation 3				
Effect	**Hazard Ratio (hr)**	**LCI (hr)**	**UCI (hr)**	**p-value**
Treatment	1.11	0.89	1.38	0.37
Control (C2 vs C1)	2.80	2.23	3.50	$2x10^{-16}$
Selected (S2 vs S1)	1.74	1.45	2.10	$4.87x10^{-9}$

Table 5. Cox proportional hazard models of the selection lines after the first 3 rounds of selection, showing the effect of treatment, line nested within each treatment, as well as confidence intervals for the hazard ratio and its significance.

The Cox proportional hazard modelling of the data showed a highly significant reduction in hazard caused by the selection regime at generation 1 (Table 5A). This was accompanied by a highly significant difference in hazard between the individual lines in each regime, indicating that despite their identical median lifespans, there were still differences in health between the lines. Generations 2 and 3 saw a retention of the difference in hazard between lines in each regime, however the difference between the regimes ceased to be significant (Table 5B and Table 5C).

A) Generation 1						
Line	**Age Independent Mortality (a) ($x10^{-5}$)**	**LCI (a) ($x10^{-5}$)**	**UCI (a) ($x10^{-5}$)**	**Age Dependent Mortality (b)**	**LCI (b)**	**UCI (b)**
Control 1	3.49	1.88	6.49	0.14	0.12	0.15
Control 2	2.55	1.02	6.38	0.15	0.13	0.17
Selected 1	0.11	0.04	0.28	0.19	0.17	0.20
Selected 2	2.50	1.07	5.83	0.15	0.14	0.17
B) Generation 2						
Line	**Age Independent Mortality (a) ($x10^{-6}$)**	**LCI (a) ($x10^{-6}$)**	**UCI (a) ($x10^{-6}$)**	**Age Dependent Mortality (b)**	**LCI (b)**	**UCI (b)**
Control 1	13.1	67.1	257	0.10	0.09	0.11
Control 2	5.17	1.39	19.2	0.17	0.14	0.19
Selected 1	1.26	0.35	4.55	0.17	0.15	0.19
Selected 2	2.94	0.86	10	0.17	0.15	0.19
C) Generation 3						
Line	**Age Independent Mortality (a) ($x10^{-5}$)**	**LCI (a) ($x10^{-5}$)**	**UCI (a) ($x10^{-5}$)**	**Age Dependent Mortality (b)**	**LCI (b)**	**UCI (b)**
Control 1	14.7	7	30.9	0.11	0.09	0.12
Control 2	5.76	2.62	12.6	0.14	0.13	0.16
Selected 1	2.77	1.10	6.96	0.14	0.12	0.15
Selected 2	16.4	10.1	26.6	0.12	0.11	0.12

Table 6. Gompertz parameter estimates for each line after the first 3 rounds of selection, including the confidence intervals for each parameter.

S1 saw a significant decrease in age-independent or 'baseline' mortality accompanied by a significant increase in age-dependent mortality at generation 1, indicating a 'squaring' of the survival curve relative to the other lines (Table 6A**Error! Reference source not found.**).

After 2 generations of selection C1 suffered from early mortality leading to a significant increase in age-independent and a significant decrease in age-dependent mortality relative to all other lines, including C2 (Table 6B**Error! Reference source not found.**).

Finally, after 3 generations of selection age-independent mortality was little different between the lines except for a large significant difference between S1 and S2, with S2 being higher. Likewise, age-dependent mortality showed differences between S1 and S2 as well as between C1 and C2, with the longer-lived line in each case showing a higher rate of mortality (Table 6C**Error! Reference source not found.**).

10.3 Final Rounds of Selection

After the reduction in lifespan differences between the C and S lines at generation 3, the selection was relaxed for two generations to alleviate inbreeding depression. Following this relaxation, the lines were subject to two more generations of selection.

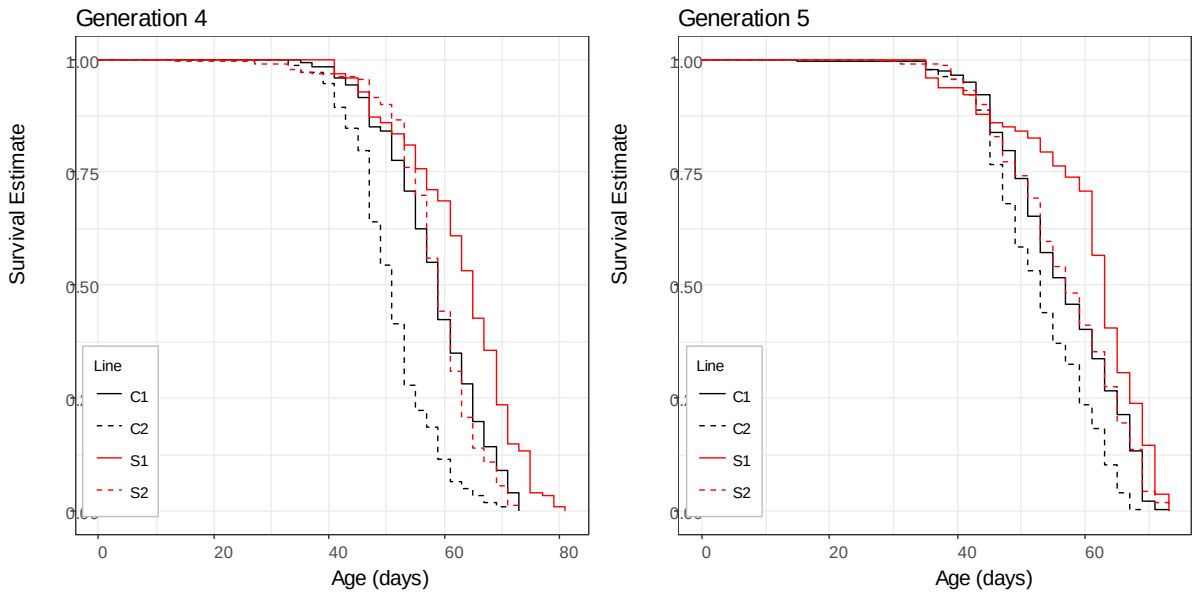

Figure 7. Kaplan-Meier survival curves for the final rounds of selection, after the selection was relaxed. Each line was composed of numerous families depending on fecundity for that generation, and lifespan was measured at 27°C.

A) Generation 4					
Line	**n**	**Onset of Ageing (day)**	**Median Lifespan (days)**	**LCI**	**UCI**
Control 1	120	43	59	57	61
Control 2	200	39	51	49	51
Selected 1	200	43	65*	63	67
Selected 2	180	43	59	57	61
B) Generation 5					
Line	**n**	**Onset of Ageing (day)**	**Median Lifespan (days)**	**LCI**	**UCI**
Control 1	260	41	57	55	59
Control 2	180	41	53	51	55
Selected 1	220	59	63*	63	63
Selected 2	200	37	57	55	59

Table 7. Sample size, median lifespan and confidence intervals for each line after the final 2 rounds of selection. * indicates significance relative to both controls of at least $p < 0.05$ as tested by pairwise log-rank and corrected for multiplicity using the Benjamini-Hochberg procedure.

After four generations of selection S1 returned to a significant lifespan extension of 10.2% relative to C1 and 18.2% relative to both control lines combined (Table 7A). Finally, after the fifth generation of selection, S1 maintained a 14.5% median lifespan extension relative to the controls (Table 7B), while

S2 continued to greatly resemble C1, losing the healthier shape that was seen in generation 4 (Figure 7B).

A) Generation 4				
Effect	**Hazard Ratio (hr)**	**LCI (hr)**	**UCI (hr)**	**p-value**
Treatment	0.53	0.42	0.67	$1.39x10^{-7}$
Control (C2 vs C1)	2.64	2.09	3.34	$3.33x10^{-16}$
Selected (S2 vs S1)	2.02	1.62	2.52	$3.91x10^{-10}$
B) Generation 5				
Effect	**Hazard Ratio (hr)**	**LCI (hr)**	**UCI (hr)**	**p-value**
Treatment	0.61	0.51	0.74	$2.56x10^{-7}$
Control (C2 vs C1)	1.70	1.40	2.07	$1.17x10^{-7}$
Selected (S2 vs S1)	1.51	1.24	1.83	$3.27x10^{-5}$

Table 8. Cox proportional hazard models of the selection lines after the final 2 rounds of selection, showing the effect of treatment, line nested within each treatment, as well as confidence intervals for the hazard ratio and its significance.

Cox proportional hazard modelling showed that the lifespan extension of generation 4 represented a significant reduction in hazard for the S lines, with S1 again being the biggest contributor (Table 8A). After 5 generations of selection there was still a highly significant reduction in hazard for the S lines (Table 8B). At both generations 4 and 5, there was also a highly significant difference in hazard between the replicate lines in each regime.

A) Generation 4						
Line	**Age Independent Mortality (a) ($x10^{-5}$)**	**LCI (a) ($x10^{-5}$)**	**UCI (a) ($x10^{-5}$)**	**Age Dependent Mortality (b)**	**LCI (b)**	**UCI (b)**
Control 1	3.23	1.09	9.59	0.13	0.12	0.15
Control 2	10.4	5.32	20.5	0.13	0.12	0.14
Selected 1	3.02	1.27	7.14	0.12	0.11	0.14
Selected 2	1.13	0.41	3.16	0.15	0.14	0.17
B) Generation 5						
Line	**Age Independent Mortality (a) ($x10^{-5}$)**	**LCI (a) ($x10^{-5}$)**	**UCI (a) ($x10^{-5}$)**	**Age Dependent Mortality (b)**	**LCI (b)**	**UCI (b)**
Control 1	6.35	3.16	12.8	0.12	0.11	0.14
Control 2	6.74	2.97	15.3	0.13	0.12	0.15
Selected 1	1.34	0.52	3.51	0.14	0.13	0.16
Selected 2	6.77	3.12	14.7	0.12	0.11	0.14

Table 9. Gompertz parameter estimates for each line after the final 2 rounds of selection, including the confidence intervals for each parameter.

After 4 generations of selection S2 has the lowest age-independent mortality, significantly lower than that of C2, and the highest age-dependent mortality, reflecting a 'squarer' curve than the other lines and potentially a slight response to the selection (Table 9A).

Finally, after 5 generations of selection S1 had a lower age-independent mortality compared to all the other lines (Table 9B). Relative to previous generations, the survival curve of S1 showed some early mortality, although not so early that it can be easily distinguished from the onset of ageing (Figure 7B). This led to a much less 'square' survival curve than previously seen, although the initial frailty before the age of 30 days is still very low for all lines.

10.4 Selection Summary

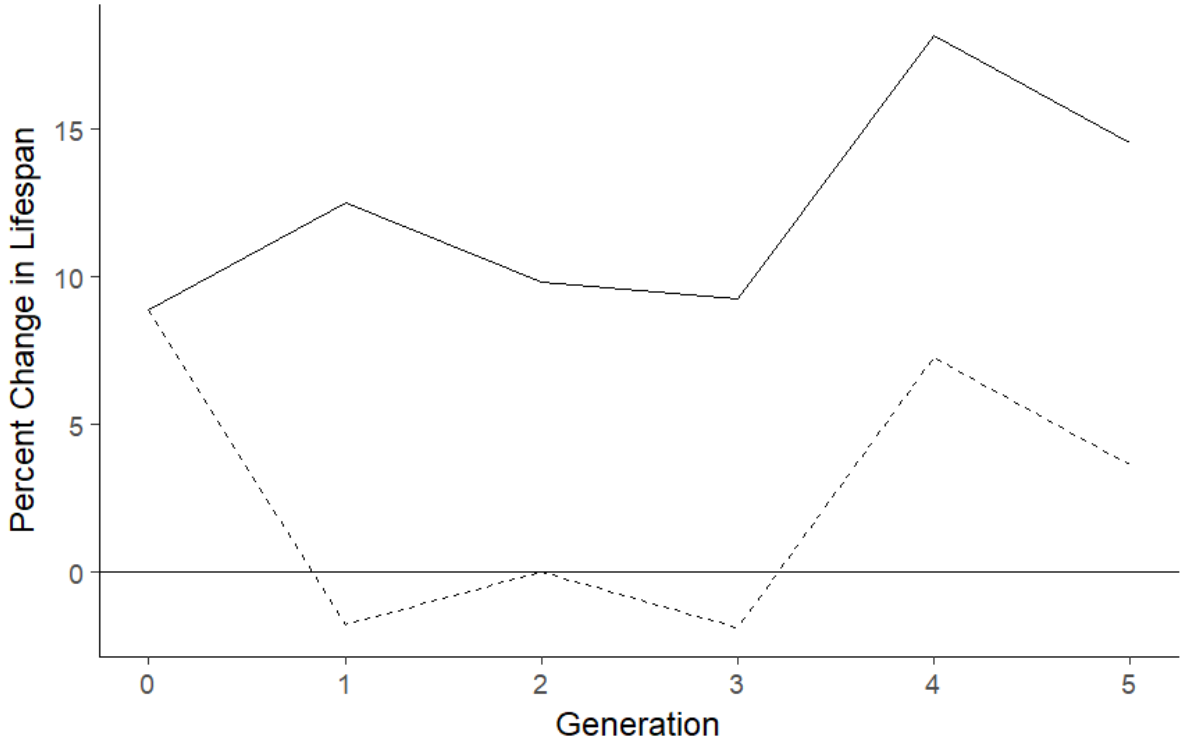

Figure 8. The change in median lifespan of S1 (solid) and S2 (dashed) at each generation. Values are the percent change relative to the mean of the control median lifespans.

In summary, S1 showed a strong response to selection immediately, retaining and building on the long-lived phenotype of the starting families. There was a slight depression over generations 3 and 4, however this was recovered after relaxed selection and the response continued to grow. The selection response reached an 18.2% increase relative to the controls at its peak during generation 5. S2 initially lost the long-lived phenotype of the starting families and remained the same as the controls for most of the selection, however a non-significant response began to re-emerge over generations 4 and 5 (Figure 8).

10.5 Investigative Lifespan Experiments

At generations 3 and 5 of the selection, the lines were assayed in larger numbers at 25°C to determine if the lifespan extension effect was robust and if it was maintained at a lower

temperature to that measured during the selection regime. These assays were both accompanied by a battery of phenotypic tests, discussed in the next chapter.

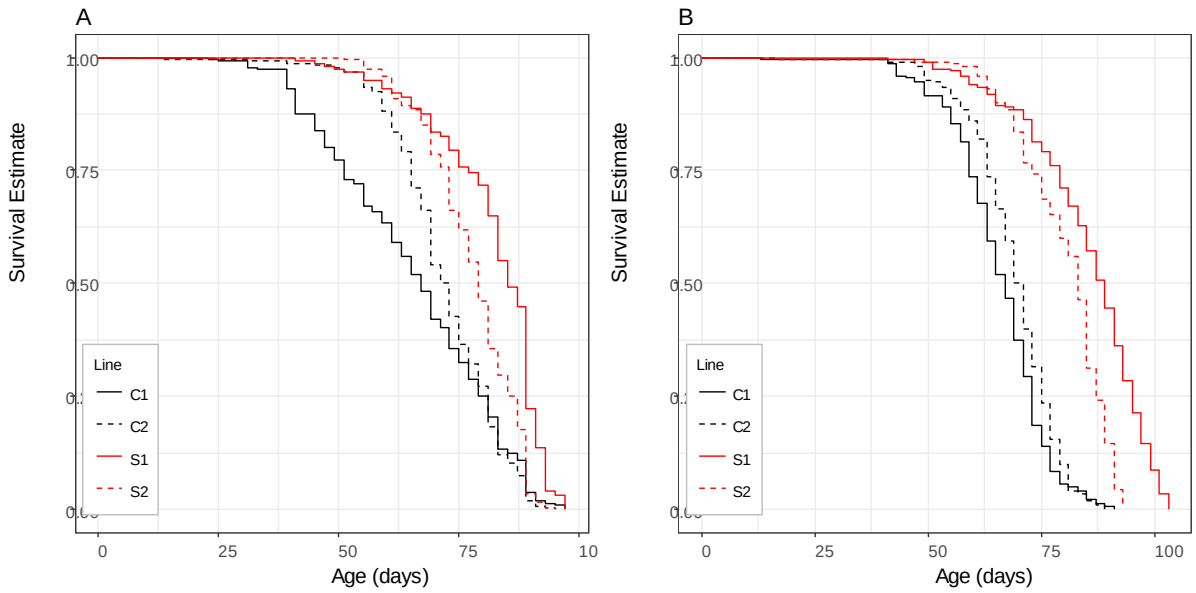

Figure 9. Kaplan-Meier survival curves of the investigative lifespan experiments which were paired with the phenotypic analysis. Lifespan was measured at 25°C. (A) Lifespan after 3 generations of selection, each line is composed of 3 families (n=300) except for S2 which is composed of 2 (n=200). (B) Lifespan after 5 generations of selection, each line is a single crossbred population (n=200).

Investigative Lifespan: Generation 3					
Line	**n**	**Onset of Ageing (day)**	**Median Lifespan (days)**	**LCI**	**UCI**
Control 1	290	37	67	65	69
Control 2	294	47	73	69	73
Selected 1	282	79	85*	83	89
Selected 2	199	51	79*	77	81
Investigative Lifespan: Generation 5					
Line	**n**	**Onset of Ageing (day)**	**Median Lifespan (days)**	**LCI**	**UCI**
Control 1	192	41	67	65	69
Control 2	200	45	70	69	71
Selected 1	194	49	89*	87	91
Selected 2	198	59	83*	81	85

Table 10. Sample size, median lifespan and confidence intervals for each line at different points during the selection when tested at 25°C. * indicates significance relative to both controls of at least $p < 0.05$ as tested by pairwise log-rank and corrected for multiplicity using the Benjamini-Hochberg procedure.

At both generation 3 and generation 5 the investigative lifespan experiments had similar results. In both cases, S1 and S2 showed healthy lifespan extension, although it was greater in both lines at generation 5 with median lifespan being longer in S1 and S2 by 30% and 21% respectively (Table 10).

Investigative Lifespan: Generation 3				
Effect	**Hazard Ratio (hr)**	**LCI (hr)**	**UCI (hr)**	**p-value**
Treatment	0.36	0.31	0.43	$2x10^{-16}$
Control(Line)	0.97	0.83	1.15	0.76
Selected(Line)	1.77	1.47	2.14	$1.46x10^{-9}$
Investigative Lifespan: Generation 5				
Effect	**Hazard Ratio (hr)**	**LCI (hr)**	**UCI (hr)**	**p-value**
Treatment	0.10	0.07	0.12	$2x10^{-16}$
Control(Line)	0.79	0.64	0.96	0.02
Selected(Line)	2.49	1.98	3.14	$5.77x10^{-15}$

Table 11. Cox proportional hazard models of the selection lines at different points during the selection when tested at 25°C. Table shows the effect of treatment, line nested within each treatment, as well as confidence intervals for the hazard ratio and its significance.

In accordance with the extended lifespan of the S lines, there was a highly significant effect of treatment on hazard for these lines at each generation (Table 11). Interestingly, while a highly significant difference in hazard between the two S lines was present in these experiments, no such difference was observed in the controls at generation 3 (Table 11A).

Investigative Lifespan: Generation 3						
Line	**Age Independent Mortality (a) ($x10^{-6}$)**	**LCI (a) ($x10^{-6}$)**	**UCI (a) ($x10^{-6}$)**	**Age Dependent Mortality (b)**	**LCI (b)**	**UCI (b)**
Control 1	511	331	789	0.07	0.06	0.07
Control 2	32.9	16.7	64.7	0.11	0.10	0.11
Selected 1	1.69	0.60	4.79	0.13	0.12	0.14
Selected 2	2.84	0.92	8.75	0.13	0.12	0.15
Investigative Lifespan: Generation 5						
Line	**Age Independent Mortality (a) ($x10^{-5}$)**	**LCI (a) ($x10^{-5}$)**	**UCI (a) ($x10^{-5}$)**	**Age Dependent Mortality (b)**	**LCI (b)**	**UCI (b)**
Control 1	3.23	1.09	9.59	0.13	0.12	0.15
Control 2	10.4	5.32	20.5	0.13	0.12	0.14
Selected 1	3.02	1.27	7.14	0.12	0.11	0.14
Selected 2	1.13	0.40	3.16	0.15	0.14	0.17

Table 12. Gompertz parameter estimates for each line at different points during the selection when tested at 25°C, including the confidence intervals for each parameter.

A significant 'squaring' of the curve was also seen in the S lines at generation 3, represented by a decreased age-independent mortality and increased age-dependent mortality (Table 12A). Of note is that at generation 3, S1 had a markedly delayed onset of ageing, 68% later than that of C2, the healthiest control line.

10.6 RNA-Seq Lifespan

The final lifespan experiment was performed to test if the lifespan differences were retained after 3 generations of relaxed selection following generation 5 of selection. The siblings of these flies, reared in the same conditions and at the same time, were collected for RNA-Seq analysis at 25 days old.

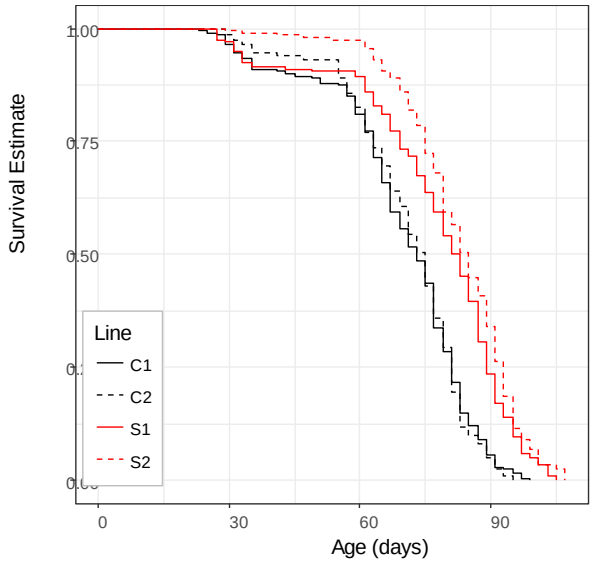

Figure 10. Kaplain-Meier survival curve of the siblings of the flies analysed by RNA-Seq. Lifespan was measured at 25°C (n=200).

Line	n	Onset of Ageing (day)	Median Lifespan (days)	LCI	UCI
Control 1	199	55	73	69	77
Control 2	200	51	75	71	77
Selected 1	199	59	83*	79	85
Selected 2	201	57	85*	83	87

Table 13. Sample size, median lifespan and confidence intervals for each line when tested at 25°C, of the generation used for RNA-Seq analysis. * indicates significance relative to both controls of at least $p < 0.05$ as tested by pairwise log-rank and corrected for multiplicity using the Benjamini-Hochberg procedure.

This lifespan experiment gave similar results to the investigative lifespan at generation 5 (Figure 5B) although with a smaller effect. There was an increase in median lifespan of 12% and 15% for S1 and S2 respectively (Table 13).

Effect	Hazard Ratio (hr)	LCI (hr)	UCI (hr)	p-value
Treatment	0.48	0.39	0.59	1.25×10^{-12}
Control(Line)	1.04	0.85	1.26	0.72
Selected(Line)	0.79	0.65	0.97	0.02

Table 14. Cox proportional hazard models of the selection when tested at 25°C, of the generation used for RNA-Seq analysis. Table shows the effect of treatment, line nested within each treatment, as well as confidence intervals for the hazard ratio and its significance.

A significant reduction in hazard accompanied the lifespan extension of the S lines, and as with the investigative lifespan at generation 3, there was no significant difference in hazard between the controls (Table 14).

Line	Age Independent Mortality (a) ($x10^{-5}$)	LCI(a) ($x10^{-5}$)	UCI(a) ($x10^{-5}$)	Age Dependent Mortality (b)	LCI (b)	UCI (b)
Control 1	17.3	9.14	32.8	0.08	0.07	0.09
Control 2	7.47	3.59	15.5	0.09	0.08	0.10
Selected 1	11.6	5.81	23	0.08	0.07	0.08
Selected 2	2.46	1.08	5.61	0.09	0.08	0.10

Table 15. Gompertz parameter estimates for each line when tested at 25°C, of the generation used for RNA-Seq analysis. Table includes the confidence intervals for each parameter.

The onset of ageing was delayed by about 7% in S1 relative to C1, the healthiest control. There was no apparent change in the survival curve shape between the lines with the exception that S2 was the only line to not suffer an incidence of early mortality at around age 32, resulting in a lower age-independent mortality than the other lines (Table 15).

Discussion

11 Introduction

The aim of this selection was to create a suitable model organism for studying possible evolutionary routes for longevity, with the hope of identifying longevity mechanisms which could become targets for intervention. *Drosophila* were used because they are convenient to select, having a predictable reproductive cycle, obvious sexual dimorphism and well understood genetics (Ashburner, 1989; Adams *et al.*, 2000). Other advantages of *Drosophila* are that they are relatively short lived compared to other model organisms, facilitating easy lifespan experiments, as well as being cheap to culture and being easy to genetically modify, resulting in a wide range of pre-existing transgenic constructs which could be used for further investigation after gene targets are identified. Finally, there is precedent for using *Drosophila* in selections relating to ageing, making comparisons of relative successes, limitations and pitfalls simple.

We carried out a five-generation familial selection on wild-caught *D. melanogaster*, selecting directly on male virgin median lifespan. Four lines were established: two lines selected for longevity (S1 and S2) and two randomly selected controls (C1 and C2). S1 showed a consistent median lifespan increase relative to the controls throughout the experiment, peaking at 18.2% extension at generation 4 (Figure 6). S2 did not respond as obviously, showing no significant lifespan extension at 27°C, although a non-significant increase of 7.3% was observed at generation 4. After the selection, S2 had responded, showing significant median lifespan extension of 21% when measured at 25°C (Figure 9B).

12 Experimental Design

Our selection was largely based on the familial selection method of Zwaan*, et al.* (1995), but with some improvements and limitations. This method was selected since it offers the best chance at both extending lifespan (whereas the only other attempt at a direct selection method did not achieve this, see Lints, *et al.* (1979)) whilst avoiding selection on factors related to ageing such as fecundity or stress responses. Indirect methods of extending lifespan by selection bias the lifespan extension mechanism, making them ideal for studying the connections between life-history or stress and longevity, but less useful for the identification of novel drug targets.

Another benefit of the familial design is that the lifespan metric selected on can be tightly controlled. As with Zwaan, *et al.* we opted to select on virgin male longevity. In *Drosophila* mating is

a hazardous activity, and although its accompanying increase in mortality does not appear to be due to accelerated ageing (Partridge and Andrews, 1985), the low sample sizes of each family during the lifespan experiments necessitated removing as much age-independent mortality as possible. Additionally, since virgin males and females were required to be collected to be reared as potential breeding pairs, it was convenient to collect virgin males for the lifespan assays as well. Median lifespan was chosen as the selected measure because it better reflects healthy lifespan than the mean, is more easily measured than other possible metrics (for instance direct measures of functional ageing) and could be determined before the entire cohort had died, allowing the next generation to be established before the breeding pairs were too old. A criticism of median lifespan as a measure of ageing effects is that extension of median lifespan without extension of maximum lifespan could be interpreted as the removal of disease and frailty in middle age, rather than a slowing of the ageing process itself (Wang *et al.*, 2004). This causes problems when attempting to study the mechanisms of ageing, however when searching for gene targets to extend healthy lifespan an extension in median lifespan is very welcome. Obviously, the ideal would be a strong extension in both median and maximum lifespan, representing a slowing of the ageing process coupled with better general health.

The main departure from Zwaan, *et al.* in our study was the use of wild-caught *Drosophila*, where they used an outbred lab strain which had been kept in bottle culture for approximately 10 years at the time of the experiment. Lab adaptation of wild *Drosophila* has a demonstrated effect on many life-history traits including development time, reproductive schedule and fecundity with a clear selection pressure in favour of rapid reproduction and competitive larvae, with little regard for healthy adulthood. As such, lifespan tends to decline in lab strains relative to wild *Drosophila*, with bottle culture having the most pronounced effect in this regard (Sgrò and Partridge, 2000). Thus, we used recently wild-caught *Drosophila* to ensure the base population and the ensuing controls of the selection had the longest lifespan possible. This was effective, as the starting population gave a robustly healthy survival curve with little early mortality (Figure 5A). This healthy initial population means that any lifespan extension in later generations was less likely to be due to the purging of unhealthy alleles and more due to the selection for healthy alleles.

Using wild-caught flies also meant that genetic variation in the starting population would be higher than if we had used a lab strain (Sgrò and Partridge, 2001). Increasing variation was also the reason we generated the base population by crossing two wild-caught strains, caught in different environments within Lancaster. High initial variation is important in selection experiments, because it increases the chance that alleles of interest will be in the population, and barring mutation, selection can only increase or decrease the prevalence of an allele that is already present. Indeed,

within the base population there was a high degree of variation in lifespan (Figure 5B), giving good stock from which to select longer lived flies.

A final change is that we measured lifespan within the selection at 27°C rather than 29°C. This was intended to provide a compromise between rapidly assessing lifespan and not subjecting the flies to an overly stressful environment. The flies used in this experiment were sourced from a warmed butterfly house and a domestic glasshouse in October, a typically cool month, and so represent a population with mixed tolerance to temperature. A temperature increase of just 1°C above the standard living conditions of *Drosophila* begins to have significant effects on fertility (Rohmer *et al.*, 2004), which may influence age-independent mortality. We found that flies reared at 27°C demonstrated healthy survival, while still being short-lived enough to quickly ascertain median lifespan. Reducing the temperature at which the selection metric was measured was also intended to reduce the effect of inadvertently selecting for heat resistance.

The food used for this experiment is a high sugar, cornmeal-yeast medium. The high sugar content is palatable to flies, mimicking the taste of fruit juice, while the cornmeal-yeast mixture is a preferred source of protein relative to either one of these ingredients alone (Hutner *et al.*, 1937). This food medium gives good, healthy lifespan curves in our lab, reducing the chance that the lifespan extension seen was caused by selection against overeating behaviours.

13 Selection on Lifespan

Based on the selection of Zwaan, *et al.* it is expected that lifespan would be modestly, but significantly, increased in the S lines. After 5 generations they saw an increase in median lifespan of about 8 days (roughly 25% increase) when measured at 29°C. This closely reflects our own results at the same point, with a few key differences. After 5 generations of selection, S1, the most responsive line, had a significant median lifespan extension of 14.5%. This is less than the extension seen by Zwaan, *et al.* although this can be explained to a certain extent by the heterogeneity of lifespan data in general, the fluctuations commonly seen in selection experiments and the slight differences in methods. At generation 4 of both experiments for instance, the lifespan extension observed were very similar, around 16% for Zwaan, *et al.* and 18.2% for our S1 line. Additionally, the effect may be partially temperature dependent, and so the different assay conditions may be responsible for these differences in response. Minor differences aside, our results are remarkably similar to those of Zwaan, *et al.* establishing a typical expectation of the lifespan extension from this kind of selection.

The similarities of this selection with that of Zwaan, *et al.* relative to the results of indirect selection can be clearly seen. *Drosophila* selected for delayed fecundity typically show a large, highly

significant increase in both median and maximum lifespan (Figure 11A), while a direct familial selection method sees a less pronounced increase in median lifespan, and does not necessarily see an increase in maximum lifespan at all, which may indeed be higher in the controls (Figure 11B). This pattern was reflected in our study, with multiple generations showing this pattern (Figure 6). As previously mentioned, an increase in median without an increase in maximum lifespan could be indicative of only removing disease alleles from the population, rather than slowing the ageing process. In our experiment we appear to have achieved both. While some generations show only median lifespan extension, others (Figure 7B) and especially the lifespan results at 25°C (Figure 9), show a clear maximum lifespan extension in either one or both selected lines.

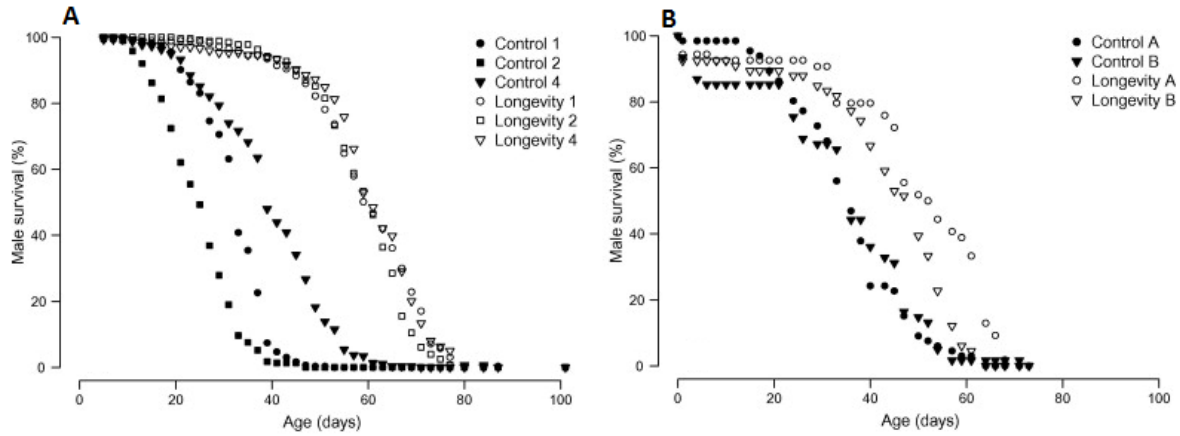

Figure 11. Comparison of lifespan extension achieved by selecting for delayed fecundity (A) or by selecting directly on familial lifespan (B). Adapted from Wit, *et al.* (2013).

The relatively low increases in lifespan caused by familial selection can be readily explained. Familial selection acts only on lifespan, with a minimal amount of selection against causes of early mortality. It is thus possible for disease alleles that act during late life to slip through the selection, since the breeding stock are considerably biologically younger at the point of reproduction than their siblings in which lifespan was measured. Compare this to selection on delayed reproduction, where the age at reproduction is pushed further and further forward, with age at egg collection getting as high as 70 days old or higher in some cases (Partridge and Fowler, 1992). Because only flies which have survived to this advanced age are able to reproduce, late acting disease alleles are strongly selected against. The result of this is that familial selection without alterations to select against late life age-independent mortality (for instance selecting on a statistic generated by combining the median and maximum lifespan) will necessarily be limited in the degree of lifespan extension it can achieve, unless over many generations of selection.

Another reason for the smaller increase in lifespan by the familial method is the quality of the controls. In a familial selection, the controls are almost identical in treatment to the selected lines; they undergo the same bottlenecks, the same number of generations and reproduce at the same age. When selecting on delayed fecundity, the selected lines will be treated quite differently from the controls. The longer-lived lines will undergo far fewer generations of selection, since each generation takes considerably longer, and they will be propagated from much older individuals. The time of reproduction is important, for since in these experiments the controls are typically allowed to reproduce at an early age, there will be a strong selective pressure for early fecundity in the control lines and non-existent selection against late acting disease alleles (as with all lines in the familial method). As such, it is possible that the control lines are getting selected for a shorter lifespan, while the selected lines get selected for a longer lifespan, thus exaggerating the final difference between the two regimes. Finally, the differences in number of generations within the selection could mean that the controls will be far more inbred by the point of comparison, which could lead to inbreeding depression of their lifespan, again exaggerating the difference.

A noticeable improvement in this regard can be seen in our selection. Our controls, when compared to those of Zwaan, *et al.* (Figure 11B) do not show anywhere close to the same levels of early mortality. Indeed, the survival curves for all four of our lines were healthy, showing low age-independent mortality and a rapid rate of age-dependent mortality. These characteristics can be seen in the base population (Figure 5) and throughout the selection, with only occasional examples of early mortality. This is indicative of a healthy population (Eakin and Witten, 1995), with low incidences of genetic disease or other frailties, and further support the lifespan extension as being a modulation of the ageing process, rather than the purging of disease alleles.

14 Investigations

The purpose of this selection was to generate a model organism for further investigation into the ageing process. We carried out numerous investigations, phenotypic characterisation of flies derived from generations 3 and 5, and an RNA-Seq transcriptomics study, also on flies derived from generation 5.

Figure 9A shows the lifespan at 25°C of flies derived after two generations of relaxed selection after generation 3. The siblings and offspring of these flies (up to two generations after this lifespan measurement) were used for the phenotypic evaluation at generation 3. The curve in Figure 9A is healthy, and S1 shows a significant increase in median lifespan of 21%, accompanied by a delayed onset of ageing, while S2 shows a 13% increase in median lifespan, also accompanied by a delayed onset of ageing. It is interesting that both S1 and S2 show lifespan extension at this point, because

S2 did not show a consistently longer life within the selection experiment up to this point, and S1 looked like it was starting to drop off as well. Since this experiment took place after two generations of relaxation, it is possible that the observed longevity in S1 and especially S2 is the result of alleviation of inbreeding depression.

Figure 9B likewise shows the lifespan at 25°C of flies derived after two generations of relaxed selection after generation 5. This time, a strong lifespan extension was seen in both S1 and S2 of 30% and 21% respectively. This was accompanied by a delay in the onset of ageing in both lines and a large increase in maximum lifespan in S1. This change in response for S2 allowed for more solid conclusions on what correlated responses were associated with longevity, and which ones may be due to drift or inadvertent selection. The strong response in S1, as well as the increased maximum lifespan, also show this generation to be fit for purpose as a longevity model.

Finally, the RNA-Seq was carried out on 25-day old siblings from C1 and S1 reared in the same conditions at the same time as the flies represented in Figure 21. Compared to most lifespan experiments within the selection, there is noticeable early mortality across all four lines. The cause of this is not clear, although it may have been due to inbreeding, undetected bacterial infection or some other unforeseen environmental variable. Since all four lines were affected it is still valid to compare them, and since the mortality starts at around day 27, the flies collected for RNA-Seq may not have been affected. This issue aside, there is still a strong lifespan extension in S1 relative to C1, the two lines compared by RNA-seq.

15 Limitations and Improvements

While we improved upon previous selection experiments in many ways, there are still limitations to our study. Most obvious is that with only two replicates per regime it is difficult to draw any conclusions about genetic drift. Likewise, although each generation was propagated by 18 breeding pairs, these pairs only represented three families per line. These were carefully selected to minimize inbreeding; however, a degree of inbreeding was unavoidable. As such, it is expected that drift and bottlenecks may be responsible for some observed differences between the lines, rather than the selection pressures imposed. The problem of inbreeding will have been alleviated somewhat by using wild-caught flies, since the higher initial variation will have buffered its loss during the selection process.

Another limitation imposed by the method is that the flies were selected based on their family's performance at 27°C, but reared at 15°C and bred at 25°C. It is not guaranteed that lifespan extension at one temperature will translate to lifespan extension at another temperature, nor that

the different temperatures the flies were reared at did not meaningfully influence the selection. One example of how this could be a problem is if the selection was inadvertently targeting genes that benefited survival at high temperatures, rather than those involved in ageing. This is a minor concern however, since 27°C is well within the range of comfort for *D. melanogaster*, especially given the warm, humid conditions these flies were collected from, and so will not have been sufficient to trigger a stress response. Furthermore, it appears that the selected lines performed better at 25°C than 27°C, and so regardless of the cause of the lifespan extension, it appears to transfer across these two temperatures at least.

The biggest improvement this, and indeed most, selection experiments could have is an increase in line replication. As with Zwaan, *et al.* we opted for two lines per regime. Other, simpler, selection methods are often able to maintain more lines, Partridge and Fowler (1992) had three while Rose (1984) had four. In all cases, having more replicate lines is ideal since selection experiments can be extremely heterogeneous even between otherwise identical replicates. Having numerous replicate lines for each selection regime has many advantages: it allows inbreeding depression to be checked by performing crosses between lines, presents an opportunity to study different responses to the same selection pressure and thus by comparison between lines allows 'true' responses to selection to be more readily detected. Increased replication will also smooth out the differences observed over any long-term selection experiment, as the response fluctuates due to unforeseen or uncontrollable circumstances (Harshman and Hoffmann, 2000).

Despite the importance of replication in selection experiments, it is often impractical to increase. Every line of a selection, particularly when using a labour-intensive selection method, requires a significant investment of time and resources over a long period of time. As such, any increase in replication will require compromise in the methodology and finding the balance between ease and size of the selection is key.

16 Conclusion

The selection was a success, producing at least one line of long-lived *Drosophila* with extended median and maximum lifespan, a delayed onset of ageing, and a maximum lifespan exceeding 100 days at 25°C. Assuming S2 continues to show the same long-lived phenotype as S1, then a repeat of the investigations discussed in the following chapters will allow a certain degree of genetic drift to be accounted for. Familial selection has been shown to be an effective method to produce long-lived organisms, in this case achieving results very similar to those previously achieved and with a healthier starting population and continuously healthy controls. This makes the selected lines valuable for further investigation.

Chapter 3 – Correlated Responses to Selection on Longevity

17 Introduction

Under any selection regime, some characteristics will be changed that are not being directly selected on. For instance, in the very basis of selecting for longevity by selecting on delayed reproduction relies on longevity being extended as a correlated response. Other responses may be due to their association with the selected trait, for instance stress resistances are often correlated with slowed ageing, or they may simply be due to the genetic drift and bottlenecks present in every selection experiment. A final possibility is that the selection regime also selects directly on a separate trait than the one being studied, either due to it being an unavoidable experimental design issue, or an unknown or otherwise uncontrollable variable in standard fly culture.

Because the causes of correlated responses are not always clear cut, it is common for experiments to see unexpected responses to selection. This may be that known correlates are asymmetrical in their responses, explained by differences in heritability of different traits, or erratic responses caused by drift, especially when there is low genetic correlation between the selected traits (Bohren, Hill and Robertson, 1966). Further complicating the issue is the issue of genotype-environment interactions. Different selection experiments take place in different environments, as such measurements of a trait for one selection regime can not necessarily be compared to measurements of the same trait in another regime. Indeed, the comparison is only valid when the experiments are carried out at the same time in the same lab (for instance Bubliy and Loeschcke, 2005), and even then, it would be expected that the line which was selected under conditions closest to the new test conditions would outperform the others. As such, for correlated responses to be compared and interpreted meaningfully, an awareness of the subtle environmental differences between experiments must be taken into account (Falconer, 1952).

18 Uses of Correlated Response Data

Studying correlated responses helps inform the conclusions of the direct response to selection. In ageing research, they are most often studied to find mechanisms associated with ageing and ultimately to inform on the causation of the ageing process. The degree to which correlated responses alone can inform on the causes of ageing is limited. They are often heterogeneous both

within the same experiment and between experiments, and are primarily useful for identifying pleiotropic tradeoffs between ageing and other traits, rather than the causative link (Harshman and Hoffmann, 2000). However, identifying these tradeoffs can be the first step in a major investigation, especially as technological advancements are making detailed genetic analysis possible, and having related phenotypic data makes the analysis of large bioinformatic data sets far more streamlined.

In ageing research, commonly measured responses fall into a few broad categories. These are life-history traits, stress responses and biomarkers. These measurements attempt to quantify different facets of ageing. Measures of developmental and reproductive health can give insight into possible causes of altered ageing patterns, functional measurements of how well an organism ages can demonstrate the quality of lifespan extension, while molecular markers can offer supporting evidence for the larger phenotypic differences and help explain what may be causing them.

Life-history analysis describes the various strategies that organisms use throughout their life that are directly connected to fitness, the key traits being brood size, size of young, age of reproductive effort, reproductive tradeoffs and the degree of variation of these traits in any offspring, although others exist (Stearns, 1976). Numerous life-history characteristics show a tradeoff with ageing, for instance in vertebrates (particularly mammals), adult body weight, fecundity, gestation period and age at maturity are all associated with the rate of ageing (Ricklefs, 2010). In *Drosophila* the association between life-history (particularly age at reproduction) and longevity has been the basis of most longevity selection experiments (Rose, 1984; Luckinbill and Clare, 1985; Partridge and Fowler, 1992), and these experiments have consistently recorded correlated responses to selection in other life-history characteristics (Chippindale *et al.*, 1994; Partridge, Prowse and Pignatelli, 1999).

Stress responses are intrinsically linked with ageing. Ageing is associated with increased molecular damage, protein misfolding and denaturation, all of which may contribute to the decline in organismal health. The stress response, although originally studied only with regard to specific stresses (e.g. heat shock), is also involved with general cellular maintenance and the cleaning up of debris that accumulates with ageing. As such, it is common to see an increased stress response in long-lived organisms, both in the laboratory mutants (Lin, Seroude and Benzer, 1998) and in the wild (Salway *et al.*, 2011). Alternatively, it is possible that there are stress response tradeoffs, where a decreased response has been observed in long-lived organisms (Broughton *et al.*, 2005). Heat shock proteins in particular have been implicated in lifespan extension in Drosophila, being upregulated with ageing in some tissues as well as extending lifespan when manipulated in experimental populations (Tower, 2011).

Biomarkers are simply measurements that can be used to determine the presence of a biological process, or how developed that process is. In ageing research, there have been numerous criteria used for determining the quality of a biomarker, but they typically are required to accurately predict the biological age and function of an organism, predict the remaining longevity of a population after a certain mortality level, and be easily reproducible without impacting the lifespan of the measured animal (Sprott, 2010). Several biomarkers exist for the study of aging in *Drosophila*, particularly markers associated with oxidative damage (Jacobson *et al.*, 2010).

19 Life History Characteristics

Life history theory is the study of development characteristics that have a large effect on organism fitness. These traits naturally vary between species, but there are common themes. The seven characteristics typically considered are size at birth; growth patterns; age and size at maturity; number, size and sex ratio of offspring; reproductive investments; mortality investments and length of life (Stearns, 1992).

The early gerentology selection experiments using *Drosophila*, were aimed at unpicking the evolutionary history of ageing. They were looking for life history characteristics that seemed to be traded for long life during selection, since such tradeoffs would provide solid evidence for the antagonistic pleiotropy theory of ageing, over that of simple mutation accumulation. Long-lived organisms would be expected to show fitness tradeoffs for their longevity, in particular in early life fitness characteristics. Late life fitness characters tend to show very high variability, even within longer lived populations, further indicating that these early life traits may be primarily responsible for any effects on ageing (Rose, 1985).

Indeed, selecting to modify or delay early fitness has yielded the expected results, the ease by which lifespan is extended by selecting on delayed fecundity has been discussed already in Chapter 2. Other possibilities, selecting for lower adult body weight for instance, have successfully extended lifespan in *D. melanogaster*. In this case the lifespan extension may be due to the correlation between a higher adult body weight and higher early fecundity thus extending lifespan by the same mechanism; this further underlines the difficulty in unpicking the effects of individual life history characteristics on lifespan (Hillesheim and Stearns, 1992).

19.1 Fecundity

By far the most studied life history characteristic in longevity selection is lifetime fertility, so traits related to number of offspring and reproductive investment. When selecting for delayed reproduction, changes in reproductive schedule should be considered a direct response, however

they are discussed here because of their relevance to the accompanying lifespan extension. The initial pilot selection by Rose and Charlesworth (1981b) noted a highly significant ($p<0.01$) decrease in early egg laying, rate of laying and a significant increase in the age at last laying in the long-lived flies. This was corroborated by the accompanying sib-analysis which found a strong negative correlation between longevity and laying rate, and a strong positive correlation between longevity and age at last laying event (Rose and Charlesworth, 1981a). The follow up selection (Rose, 1984) further agreed with these observations. The long-lived selected lines had lower initial fecundity and higher later fecundity, although as mentioned the results get more erratic the older the flies get. Interestingly, these experiments show that longevity can be associated with a simple changing of reproductive schedule to be more spread out over a longer reproductive life, rather than a depression in overall fecundity as might have been expected. Contemporary selection experiments tended to agree with these data. The long-lived selected lines of Luckinbill, *et al.* (1984) also showed a lower initial fecundity, laying fewer eggs than the controls, but maintained a younger egg layer profile for longer, and saw a spike of egg production at an advanced age. This was attributed to higher late-life amino acid incorporation of the selected lines, suggesting a slowed development and a metabolic peak later in life (Pretzlaff and Arking, 1989). Finally, neither set of selected lines of Partridge and Fowler (1992) saw a decrease in early fecundity, however they both saw an increased level of fecundity over their lifespan relative to the controls.

The recurrent patterns of fecundity are not surprising for this kind of selection experiment. The selection pressure is acting on improving late-life fitness characteristics, and coupled with the improved physiological health of the selected flies, they would be expected to have a significantly higher fecundity at these ages. Likewise the depressed early fecundity is expected, since the controls they are compared to are effectively selected for an increase in early fecundity, and the selection experiments where this characteristic was not seen (Partridge and Fowler, 1992; Zwaan *et al.,* 1995) used methodologies designed to avoid it. Interestingly, given the impression that slowed development in the selected lines is responsible for the lifespan extension and fecundity changes, direct selection on time to sexual maturity saw no changes in fecundity and only a weak lifespan extension in females, with none in males (Promislow and Bugbee, 2000). This supports the conclusions of Pretzlaff and Arking (1989) that the increased amino acid turnover they observed in their long-lived flies was the cause of, and not a result of, the observed changes in fecundity.

19.2 Development

Larval development can be characterised in numerous ways, but typically focuses on the viability of eggs and larvae to reach adulthood, larval competitive ability and the time taken to pass through the

various larval stages and reach adulthood. Viability is interesting from an ageing perspective, because viability of offspring is one of many factors that declines with age (Kern *et al.*, 2001) and yet it appears to be inversely correlated with longevity in many selected strains of *Drosophila*. While the lines of Rose (1984) showed no change in viability, those of Luckinbill *et al.* (1984) and an independently generated replicate of this selection carried out later by the same lab (Buck *et al.*, 2000) saw a decline in viability tightly correlated with longevity. Strangely, these lines have also shown the opposite when tested some years later, with the selected lines showing a relative increase in pre-adult viability (Chippindale *et al.*, 1994). The lines of Partridge and Fowler (1992) agree with the initial results, showing a lower viability in the long-lived lines, both when the pure lines were tested and when they were hybridised within treatment to alleviate inbreeding depression. This effect was somewhat dependent on larval density, but consistent in most cases (Caroline Roper, Pignatelli and Partridge, 1993). Finally, when selecting directly on longevity, there has been no observed effect on viability (Zwaan, Bijlsma and Hoekstra, 1995). Given this method is designed to avoid selecting on early fitness characteristics as much as possible, it is not surprising that there is no viability effect. Although viability can be related to longevity, it is not necessary for its evolution.

Because long-lived adults show patterns of slower development, it may be expected that they would also have slower pre-adult development, this however is not the case. In several experiments, and after correcting for inbreeding depression where necessary, larval development time has shown no difference or been significantly shorter in selected lines compared to a base stock or randomly selected control (Caroline Roper, Pignatelli and Partridge, 1993; Zwaan, Bijlsma and Hoekstra, 1995; Buck *et al.*, 2000). In cases where there has been an increase in development time associated with longevity, (Partridge and Fowler, 1992; Chippindale *et al.*, 1994) there have been inconsistencies in the relation between development time and viability, with one study correlating longer development with decreased viability, and the other with increased viability. Furthermore, differences in how the early life stages are handled in different selection experiments make these characteristics very difficult to compare.

Another characteristic common to many long-lived organisms, especially those whose longevity is dependent on a single mutation, is a reduced adult body size. This has been observed in Drosophila (David J. Clancy *et al.*, 2001; Kapahi *et al.*, 2004a) and mice (Flurkey *et al.*, 2001) and runs counter to the observation in the wild that larger animals tend to live longer (Speakman, 2005). It is unlikely in these cases that the long-lived phenotype is a result of reduced body size, rather than a decreased metabolism caused by nutrient-sensing manipulations has led to a decreased body size and extended lifespan. In mammals especially, unhealthy ageing is associated with a decrease in body

weight and this is shown to be more rapid in animals with mutations that lead to premature ageing (Trifunovic *et al.*, 2004). In the same vein, longevity selected flies have sometimes been shown to have an increased body size (Partridge and Fowler, 1992), which could be a result of their increased development time, providing them with a more robust adult body at the expense of decreased early life viability and fitness.

20 Functional Biomarkers

Ageing leads to a decline in function of most physiological characteristics, including reflexes, mobility, behaviour and ability to withstand stress. Stress responses do not make good biomarkers, since the easiest way to measure them is to measure time until death or incapacitation when subjected to the particular stressor. Other measures of functional ageing however, can often be measured with little disturbance to the subjects, since they are measures of normal behaviour. This is especially useful in Drosophila, since molecular biomarkers cannot be simply measured without the death of the subject.

Functional ageing can also be characterised by molecular changes, for instance the energy storage, protein synthesis and molecular damage accumulation can all have direct impacts on function at the organism level.

20.1 Mobility and Behaviour

One of the easiest functional measures of Drosophila ageing is their mobility. This includes their speed and reflexes and is a measure of muscular and peripheral nervous system degradation. One such measure of mobility is negative geotaxis. This is the innate response of Drosophila to climb upwards after being knocked down off a surface, thought to be an escape mechanism. Whether negative geotaxis is a measure of behaviour or simply muscular ability is debateable, however it serves as a solid biomarker of ageing, with long-lived *indy* and *chico* mutants showing a reduced decline in the behaviour compared to controls (Gargano *et al.*, 2005). Flight ability can also be measured in Drosophila, releasing the flies in a flight chamber and recording their flight path. Wingbeat frequency can also be measured by tethering the flies and measuring with an optical tachometer. The ability of Drosophila to fly decreases with age, eventually losing all flight ability, accompanied by a modest reduction in wingbeat frequency, also eventually losing all capability in old age (Miller *et al.*, 2008). Further, longevity selected lines have been shown to fly for longer, and with more frequency, than their controls at all but the youngest of tested ages (Graves, Luckinbill and Nichols, 1988).

Closely related to mobility is behaviour. Measurable behaviours include sleeping, exploratory and feeding behaviours. Sleeping behaviour, as well as activity, can be simply measured using Drosophila activity monitors and assuming prolonged inactivity is due to sleeping. These monitors measure the frequency of movement of a single fly across a chamber and can be used to measure a large number of individuals simultaneously (Pfeiffenberger *et al.*, 2010). As in humans, Drosophila activity and sleep decreases and becomes more fragmented with age (Koh *et al.*, 2006), making sleep a useful biomarker for age. Furthermore, sleep related genetic alterations can affect lifespan. Overexpressing glutamate-cysteine ligase in the mushroom body (the area of the brain which regulates sleep) causes lifespan extension (Luchak *et al.*, 2007), while short lived mutants may show an older sleeping pattern, for instance *shaker* (Cirelli *et al.*, 2005). There is evidence however, that activity decline is not always associated with old age in the patterns that are expected, with diet being shown to have no effect on activity except at very advanced ages (Bross, Rogina and Helfand, 2005).

Exploratory walking is another behaviour that shows age related decline. Individual flies can be recorded as they walk around an arena, and their movements tracked for analysis (Martin, 2004). Unlike negative geotaxis which is a reflex, exploratory walking is largely regulated by the central nervous system, the central complex and mushroom bodies (Serway *et al.*, 2009). This means that tracking the deterioration of walking patterns can be a good biomarker for brain ageing for instance, older flies are less likely to move from the release point in the arena and will move less far if they do move (Grotewiel *et al.*, 2005).

Although not necessarily a biomarker, feeding behaviour is potentially linked to some lifespan extension mechanisms. For instance, the gene *takeout* regulates feeding behaviour, possibly by regulating taste neurons. Knockout flies show less control over their feeding behaviour and overfeed in normal conditions (Meunier, Belgacem and Martin, 2007), while overexpression of *takeout* is associated with several lifespan extending conditions (Bauer *et al.*, 2010). Otherwise, feeding behaviour is interesting as a corollary to other lifespan extension mechanisms, to show that they are not achieved through dietary restriction caused by reduced feeding.

20.2 Molecular Ageing

While physiological and behavioural measures are useful for assessing the health of an organism and predicting the mechanism of lifespan extension, molecular measures can also provide significant insight. These biomarkers may be able to help predict biological age, or they may be indicative of other processes involved in lifespan extension and are especially useful for quantifying molecular damage.

One measure that changes with age in Drosophila is total protein content. Protein synthesis is highly reduced with age (Webster and Webster, 1979), likely due to a reduction in translational elongation factors (Webster and Webster, 1983). Thus, it may be expected that long lived flies would have increased protein synthesis and total protein content. Aside from the measure of total protein, protein damage is a useful biomarker of ageing.

Carbonylation of protein is a common form of oxidative damage, which accumulates with age and is associated with numerous ageing related diseases. This makes carbonylation a good biomarker for age related oxidative stress (Dalle-Donne *et al.*, 2003).It can be measured in numerous ways, but most revolve around its derivatization by 2,4-dinitrophenylhydrazine (DNPH). Reacting DNPH with the carbonylated protein allows it to be quantified with a spectrophotometer by measuring the bound DNPH at 375nm (Levine *et al.*, 2000; Wehr and Levine, 2012). This method has been used to develop further DNP based methods using antibodies for greater sensitivity. Consequently, the accumulation of carbonyl with ageing has been studied, for instance showing an increase of carbonyl groups in mitochondrial proteins (Toroser, Orr and Sohal, 2007). Additionally, carbonyl content is a useful measure of intervention success in reducing oxidative damage, for instance it has been used to corroborate the alleviation of oxidative damage by curcumin treatment of Drosophila (Seong *et al.*, 2015). Longevity selected flies of the Wayne State lines have been shown to have a clearly lower level of protein carbonylation compared to their controls, rising to the same levels only in later life (Arking *et al.*, 2000).

Two related molecular measures of ageing are lipid and glycogen content. In flies, lipids are stored in order to cope with low food availability (and as such are intrinsically linked with starvation resistance) while glycogen is stored and for use directly as fuel for locomotion, as well as coping with desiccation. A large study of these characteristics in the Irvine lines found an increase in both lipid and glycogen content in the long-lived lines, accompanied by a corresponding increase in starvation, desiccation and ethanol resistance. The long lived lines were also more functionally capable, able to fly for longer periods before exhaustion (Graves *et al.*, 1992).

Another key reason to study lipid stores is that they are the key source of energy used for reproduction and fecundity. Indeed, one theory is that lifespan extension in selected flies is achieved through the increase of lipid storage and the reduction in this energy sources allocation to reproduction (Graves *et al.*, 1992), a theory apparently borne out by the Irvine lines which had both lower fecundity and higher lipid content (Service, 1987). Interestingly, in one of the rare delayed fecundity selection experiments where the long lived lines also had a higher early fecundity, there was a negative correlation between longevity and storage lipid content (Moghadam *et al.*, 2015).

Consequently, the relationship between energy stores and longevity phenotypes is not clear-cut but suggests a more complex relationship.

21 Stress Responses

Stress responses have been connected with healthy ageing. Many lifespan extending interventions, including longevity selection, can also increase stress resistance (Kampkötter *et al.*, 2008; Deepashree, Shivanandappa and Ramesh, 2017). These observations are in accordance with the stress theory of ageing, a development of the rate of living theory, positing that inherited stress resistances are responsible for differences in maximum lifespan (Parsons, 1995).

21.1 Heat Stress

A very easy measure of the stress response in Drosophila is their reaction to severe heat. This is usually measured as the time to immobilisation or death, but can be measured with a lower fatality risk by measuring time to knockdown using specialised apparatus (Huey *et al.*, 1992). Heat stress resistance is associated with ageing in two ways. Firstly, it shows an age-related decline, with older flies more susceptible to extreme heat (Grotewiel *et al.*, 2005) and secondly, changes in heat resistance are often correlated with long-life. These correlations can either be positive (Lin, Seroude and Benzer, 1998; Scannapieco, Sambucetti and Norry, 2009) or negative (Kuether and Arking, 1999; Broughton *et al.*, 2005), suggesting a complex relationship between the heat stress response mechanism and ageing.

The heat stress response is not unique to heat stress. Heat shock proteins are involved in a wide variety of stress responses, acting as chaperones for protein folding and transport, monitoring protein production in non-stressful conditions and have a role in presentation of antigens to the immune system (Lindquist and Craig, 1988). The change in function of heat shock proteins between stressful and normal environments may explain why they behave differently across long-lived organisms. It appears that overexpressing heat shock proteins constitutively is not enough to improve longevity, although they are clearly involved in many longevity phenotypes.

21.2 Oxidative Stress

Oxidative stress resistance is frequently correlated with longevity, which would be expected according to the FRTOA. Increased oxidative stress resistance has been found in longevity selected lines, with the UC Irvine lines showing increased resistance to paraquat, a superoxide generator (Harshman and Haberer, 2000). The Wayne State University lines also exhibited an increase in oxidative stress resistance, which could be significantly reduced by treating both short and long-lived lines with a catalase inhibitor. This shows that at least part of the increased oxidative stress

resistance was due to increased catalase activity in the long-lived lines (Dudas and Arking, 1995). Other lifespan extending phenotypes can also have an effect, for instance long-lived *methuselah* mutants show an increase in oxidative stress resistance (Lin, Seroude and Benzer, 1998).

21.3 Starvation and Desiccation

Selecting on starvation and desiccation has been shown to extend lifespan as a correlated response (Rose *et al.*, 1992). Both of these stress resistances are also commonly increased when selecting for longevity, for instance desiccation resistance was increased in the Rose lines due to reduced rates of water loss under desiccation conditions (Nghiem *et al.*, 2000) and starvation was increased in *D. buzzatii* females selected for delayed fecundity (Scannapieco, Sambucetti and Norry, 2009). Interestingly, selecting directly on lifespan has not previously shown a change in starvation resistance, at least relative to the controls. Rather, flies directly selected for lower longevity saw a decrease in starvation resistance, but there was no difference between controls and long-life selected lines (Zwaan, Bijlsma and Hoekstra, 1995). The lines selected by Bubliy and Loeschke (2005) had mixed results with longevity selected flies seeing a significant increase in starvation resistance, but not in desiccation.

22 Conclusion

A huge range of functions are affected by ageing, and as such are potentially affected by longevity selection and other lifespan extending effects. The challenge in studying correlated responses to longevity selection is in narrowing down the options to those phenotypes which may not only be affected by an altered ageing phenotype, but which may also be genetically linked to the lifespan extension mechanism itself. Thus, choosing the correct measurements is partly reliant on precedent (to compare a selection experiment to others it is helpful to have overlap) and partly on observation, because during the selection procedure itself there are many casual observations which can be made that may inform the choice of phenotypic analysis. Finally, it is important to think carefully about the questions being asked of a selection experiment to narrow down phenotypic analysis experiments to those which will be most useful or interesting.

Materials and Methods

23 Fly Maintenance

23.1 Rearing Conditions and Larval Density Control

All flies were reared in standard conditions (25°C, 70% humidity and on a 12:12 light:dark cycle). To control for larval density and parental effects, flies were generated for assay according to the following procedure.

Approximately 100 age-matched males and 100 age-matched females were placed into a breeding cage (Genesee Scientific, Cat# 59-101) fitted with a petri dish half-filled with laying medium. Yeast paste was prepared by mixing live yeast with water to a smooth consistency and painted onto the center of each dish before fitting them to the cages. Flies were mated and allowed to lay any unfertilized eggs for 1 day, before fresh plates were put on and the flies were allowed to lay for 12-16 hours. The plates were then removed, and the eggs washed off into a 15ml tube using PBS and a paintbrush. Eggs were washed with more PBS to remove residual yeast paste, and then pipetted into fresh bottles containing cornmeal medium at a controlled amount of 26ul eggs per bottle. To achieve consistency, eggs were pipetted using a widened pipette tip and abruptly lifting the plunger to collect the eggs, using this method the eggs are densely packed into the pipette tip, and numbers pipetted are consistent (Clancy and Kennington, 2001).

Bottles seeded with eggs were then incubated in standard conditions until the flies eclosed, at which point all flies eclosing each day were collected (for experiments requiring virgins the flies were sorted at this stage) and allowed to mate for two days before being sorted into pre-experimental conditions at 3 days old. Unless otherwise stated, all flies tested were mated males.

23.2 Generation Specifications

There were slight differences in these protocols, depending on which generation they were carried out and for what purpose.

23.2.1 Generation Three

From the breeding stocks at generation three, 5 males and 5 females were collected from the three longest lived families of the S lines, and three randomly selected families of the C lines. These flies were kept in their family groups and allowed to mate in bottles (two per family) which had small plates of laying medium inserted into the lid. The flies were allowed to mate for 24 hours and the

eggs collected as in Section 23. After this first generation eclosed, another generation was generated using the method outlined in Section 23. For all phenotyping experiments, these flies were kept in their distinct families. Due to low fertility in the initial generation, only two S2 families were carried through to the phenotyping experiments.

23.2.2 Generation Five

Two generations of controlled larval density were allowed after generation five of the selection. Breeding stocks from the selection were large enough that the standard larval density control method was used for both generations. For this generation the three longest lived families from each S line and three random families from each C line, were crossed within their line.

23.3 Media Recipes

Media	Recipe
Standard Cornmeal	13.2% sucrose, 5.7% cornmeal, 3.3% autolysed yeast, 1% agar, 0.2% nipagin, 0.5% propionic acid
Laying	8% autolysed yeast, 8% sucrose, 2% agar, 0.3% nipagin, 0.5% propionic acid
Stock	8% autolysed yeast, 8% sucrose, 1.6% agar, 0.3% nipagin, 0.5% propionic acid
Charcoal	As standard cornmeal spiked with 2% ground activated charcoal
Starvation	1% agar, 0.16% KCl, 0.045% KH_2PO_4, 0.06% $CaCl_2$, 0.259% $MgSO_4$, 0.21% NaCl, 0.07% Na_2HPO_4, 0.04% $NaHCO_3$, 0.18% L-glutamine

Table 16. Recipes for the various media used throughout the selection and phenotypic analyses. Ingredients were mixed into water at the given % (W/V).

24 Life History Assays

24.1 Lifespan

After sorting into vials of cornmeal medium, fresh food was provided every two days by tipping flies, under light CO_2 anaesthesia into new vials of cornmeal medium. Deaths were scored when the flies were tipped to new vials, a fly being recorded as dead if it remained immobile after agitation of the vial. Living flies that were stuck to the food or walls of the vial were rescued using a paintbrush, any that couldn't be rescued were censored from the data.

24.1.1 Generation 3

For each family, mated male flies were sorted into 5 vials at a density of 20 flies per vial (n=100).

24.1.2 Generation 5

For each line, mated male flies were sorted into 10 vials at a density of 20 flies per vial (n=200).

24.2 Development Time, Sex Ratio and Viability

Five males and 5 females per line were placed into bottles fitted with a small dish of laying medium. After 6 hours the plates were removed and left under standard conditions for 12 hours for the eggs to hatch. The first instar larvae were then picked using a syringe and placed in cornmeal vials at a controlled density. The larvae were then reared under standard conditions, until the first eclosion, at which point the newly eclosed flies were removed from the vials at regular intervals, counted and the sex of each fly recorded.

Data were analysed by performing

24.2.1 Generation 3

Each family produced 5 vials of 20 larvae.

24.2.2 Generation 5

Each line produced 10 vials of 30 larvae.

24.3 Wet Weight, Dry Weight and Water Content

Twenty males and 20 females of age 5 days were collected from each line. They were placed individually into microfuge tubes, and wet weight was recorded by weighing the live flies on a 5-point balance. The flies were knocked out prior to weighing by cooling them in an ice bucket. The flies were then killed by freezing overnight at -20°C, before being dried for 24 hours at 45°C. The dried flies were then weighed, and their dry weight recorded. Water content in µg could then be determined as the difference between wet and dry weight and water content as a percentage of total wet weight could be calculated.

24.4 Early Fecundity

Three-day old virgin female flies, 20 per line, were placed individually into vials containing charcoal medium (Table 16) sprinkled lightly with live yeast. Two virgin male W^- Dahomey flies were then added to each vial, and the flies were allowed to mate for 24 hours. At four, five and six days old the flies were tipped onto fresh charcoal medium sprinkled with live yeast and the used vials retained and frozen. Eggs were counted in each of the three vials and an average taken.

25 Stress Assays

25.1 Heat Stress

Flies were sorted, at a density of 10 flies per vial, into vials of cornmeal medium under light CO_2 anaesthesia and allowed to rest for 24 hours before the experiment began. For the experiment, the flies were transferred without aneasthesia into vials containing a damp circle of filter paper but no food, which were then plugged, arranged randomly in a rack, and submerged in a 38°C water bath. The vials were checked after 15 minutes and dead flies scored by briefly raising the rack out of the water and agitating each vial, a fly being recorded as dead if it showed no movement on agitation. After this initial check, the flies were then checked for deaths every 5 minutes until all flies were dead.

25.1.1 Generation 3

Ten vials of 10 flies, aged 6 days old, were sorted from each family. Five of these vials were tested, and the other five were kept at room temperature as controls.

25.1.2 Generation 5

Six vials of 10 flies, aged 5 days old, were sorted for each line. All vials were tested for this generation, since the results from generation three showed that the disc of wet paper was sufficient to keep the flies active for the duration of the experiment at room temperature.

25.2 Oxidative Stress

Flies were sorted at a density of 20 flies per vial. The vials contained stock medium, with a further 1ml of stock medium, spiked with 20mM paraquat, layered on top. The food was spiked by dissolving the paraquat in a small amount of dH_2O before mixing it into the food once it had cooled to 55°C. Stock medium was used instead of cornmeal because it was smoother and made applying a thin layer easier and more economical. Deaths were scored every day and flies were tipped onto fresh paraquat food every three days. To conserve paraquat, vials were combined when the number of flies in them dropped low enough that the combined density would not be greater than 20 flies per vial.

25.2.1 Generation 5

Ten vials of 20 flies, aged 6 days old, were sorted for each line.

25.3 Desiccation

Flies were sorted into vials with no food or water. The vials were stored under standard conditions and checked for deaths twice daily until the first death was recorded, at which point they were checked at narrower regular intervals.

25.3.1 Generation 3

Flies were sorted into 5 vials (where possible) of 10, aged 15 days old. The vials were stoppered with cheesecloth, and once the first death was recorded further deaths were scored at 30-minute intervals until all the flies had died.

25.3.2 Generation 5

Flies were sorted into 5 vials of 20, aged 6 days old. The vials were stoppered with sponge bungs, and once the first death was recorded further deaths were scored at 4-hour intervals until all the flies had died.

25.4 Starvation

Flies were sorted into vials containing starvation medium, an agar-based medium containing only essential minerals and the amino acid glutamine, but no further nutrients. The vials were kept under standard conditions until the first death was recorded, at which point deaths were scored every 12 hours until all flies had died. Every three days the flies were tipped without anaesthesia onto fresh starvation medium.

25.4.1 Generation 3

Flies were sorted into 5 vials of 10, aged 7 days old.

25.4.2 Generation 5

Flies were sorted into 5 vials of 20, aged 6 days old.

26 Molecular Assays

26.1 Protein Carbonyl Accumulation

26.1.1 Generation of Oxidised BSA Standards

The hypochlorite concentration of household bleach (Domestos) was determined by diluting 1:10 in 0.01M NaOH and measuring absorbance at 290nm. The molar extinction coefficient of hypochlorite can then be used to determine concentration in the bleach (ε=350$M^{-1}cm^{-1}$).

50mg/ml Bovine serum albumin (BSA) was then reacted with 5mM HOCl for 48 hours at 37°C. An aliquot of the BSA was then diluted to 40mg/ml for calibration. The remaining BSA was split into 100µg aliquots for use in the dot blot, drying off the supernatant in a vacuum centrifuge. The dried standards were stored at -20°C.

The calibration aliquot was quantified using the spectrophotometric method outlined in Levine, *et al.* (1990). Briefly, the sample was reacted with 1ml of 10mM 2,4-Dinitrophenylhydrazine (DNPH), in 2M HCl for 15 minutes. The derivatized sample was then precipitated with 1ml 28% trichloroacetic acid (TCA), and washed three times with 2.5ml ethanol:ethylacetate (1:1), making sure to mechanically break up the pellet during each washing step, as well as agitating in a ribolyser to ensure the whole sample was washed. A blank, to which no DNPH was added was also carried through the whole process. After the washes, the pellet was dissolved in 1ml 6M guanidine, 20mM potassium phosphate in 2M HCl, adjusted to pH 2.5. Absorbance was read at 275nm and the carbonyl concentration determined using the molar extinction coefficient of carbonyl (ε=22,000$M^{-1}cm^{-1}$), the total protein remaining in the sample was also determined using a micro-BCA (outlined in section 26.1.3) assay and used to correct this carbonyl value for protein lost during the washing process. After correcting for lost protein, the carbonyl content of the standards was determined as 8.9nmol carbonyl/mg protein.

26.1.2 Dot Blot to Determine Carbonyl Content

Individual flies were placed in microfuge tubes) to which 30µl of homogenising solution (92.5% DMSO, 7.5% dH_2O, acidified with 0.5% trifluoroacetic acid) was added. The flies were homogenised with a motorised pestle for 40 seconds and centrifuged at 13,000g for 5 minutes. 20µl supernatant was removed to a fresh microfuge tube from which a further 5µl was removed for protein determination (Section 26.1.3).

The remaining 15µl of sample was then diluted by adding 35µl of derivatizing solution (homogenizing solution with 20mM DNPH). The standard protein was derivatized at this stage by adding 50ul derivatizing solution. The samples and standards were then incubated for 15 minutes in the dark and under constant agitation. After derivatization, the samples were diluted 1 in 16 and the standards were diluted to give a standard curve. These derivatized samples and standards were then dotted onto a PVDF membrane (Immobilon®-FL Membrane, CAT# IPFL00010) in 1 µl triplicates and then allowed to dry for 45 minutes under a fume hood.

After drying, the membrane was washed twice for 2 minutes in glacial ethanoic acid to remove free DNPH, before being equilibrated in dH_2O for 5 minutes. The membrane was then incubated in blocking buffer, 10% milk (Marvel) in tris-buffered saline with 0.1% tween (TBST), for 1 hour at which

point the buffer was replaced with 10ml of fresh buffer spiked with 2ul of the primary antibody (Goat anti-DNP, Sigma Aldrich). The membrane was incubated on a shaker for 2 hours, before being washed for 15 minutes in PBST, followed by 2 further washes of 5 minutes. Finally, the membrane was incubated for a further 1 hour in 10ml blocking buffer spiked with 10µl secondary antibody (anti-Goat IgG-Cy3 antibody produced in rabbit, Sigma Aldrich), incubated in the dark on a shaker for a further 1 hour before a final three washes in PBST as before. The washed membrane was equilibrated in dH_2O for 5 minutes before being scanned in a Typhoon FLA9000 on the Cy3 setting.

26.1.3 Protein Determination

The 5µl samples taken for protein determination were diluted 1:20 in PBS, and 10µl was removed to a fresh tube. To this, 10µl of BCA standard working reagent was added and incubated at 37°C for 30 minutes. The samples and protein standards were then measured on a Nanodrop 2000 (ThermoFisher) using the BCA program.

26.2 Lipid Content

After measuring dry weight, male flies were placed individually into microfuge tubes. Flies were homogenised in 100µl saturated Na_2SO_4, using a motorised pestle and the lipids were separated from the carbohydrates by adding 1ml chloraform:methanol (1:1) and inverting several times. Samples were centrifuged for 5 minutes at 10,000g and the supernatant containing the lipids was removed to a fresh tube.

Lipid standards were prepared from soybean extract, diluted in chloraform:methanol (1:1) at concentrations of 920, 460, 230, 115, 57.5, 28.75, 14.375 and 0ug/ml. Solvent was evaporated from standards and samples by placing in a 75°C heat block, with lids open, for 1 hour. The residue was resuspended in 0.2ml concentrated H_2SO_4 and heated at 90°C for 10 minutes and then cooled on ice for 5 minutes. 1ml of vanillin reagent (1.2% vanillin in 68% orthophosphoric acid) was added to each tube and left for 5 minutes. Three replicates of 200µl from each sample were loaded onto a 96-well assay plate and read at 490nm on a Tecan Infinite 200 PRO microplate reader (Tecan).

27 Statistical Analysis

All analyses were carried out in the R statistical software package (R Core Team, 2018) using RStudio (RStudio Team, 2016). For each analysis that was sufficiently normally distributed, a mixed effects linear model of was created using the 'lme4' package of R (Bates *et al.*, 2015). In the case of experiments which had been carried out only once a linear model was fitted with line as a random effect, while in the case of experiments which had been carried out at both generations 3 and 5, generation was included as a blocking factor. Finally, in the case of the lipid data, technician was

included as a blocking factor to account for the large discrepancy between the plates caused by different technicians producing them. After modelling, the selection regimes were compared by Type III ANOVA.

For non-normal data, regimes were compared by the Kruskal-Wallis test, and for the stress resistance tests survival was compared using log-rank test to compare the selection regimes. Again, where an assay was performed at generation 3 and generation 5 these data have been grouped for statistical testing.

Results

To investigate phenotypic changes that may have occurred because of the selection process or that may have been causative of the observed long-lived phenotype, several physiological measures were made at generations 3 and 5 of the selection.

These were based on two broad categories typically associated with lifespan extension and long-lived organisms: life history characteristics and resistance to various stresses.

24 Life History Characteristics

Characteristics concerned with development and fitness are frequent targets of both selection and manipulation for lifespan extension. For instance, selection on delayed reproduction is the most common method of longevity selection (Rose, 1984; Luckinbill and Clare, 1985; Partridge and Fowler, 1992), while selection on development time has been carried out in the context of ageing research. Likewise, lifespan extending interventions such as dietary restriction can have a large effect on these characteristics; DR slows development time, reduces adult body weight and reduces fecundity (Tu and Tatar, 2003) to list a few examples.

Since the lifespan results from within the selection experiment relied on small sample sizes by necessity, larger experiments (n=200) were carried out at 25°C to provide more robust lifespan comparisons between the selection regimes (Figure 12A+B). These results are discussed at length in Chapter 2 Section 4.5 but are presented again here for reference during the discussion of the correlated responses.

To determine if the selection was influencing early fecundity, a common response in longevity selection experiments (Rose, 1984; Luckinbill and Clare, 1985; Zwaan, Bijlsma and Hoekstra, 1995), the 3-day average fecundity of 4-day old flies was tested after 5 generations of selection.

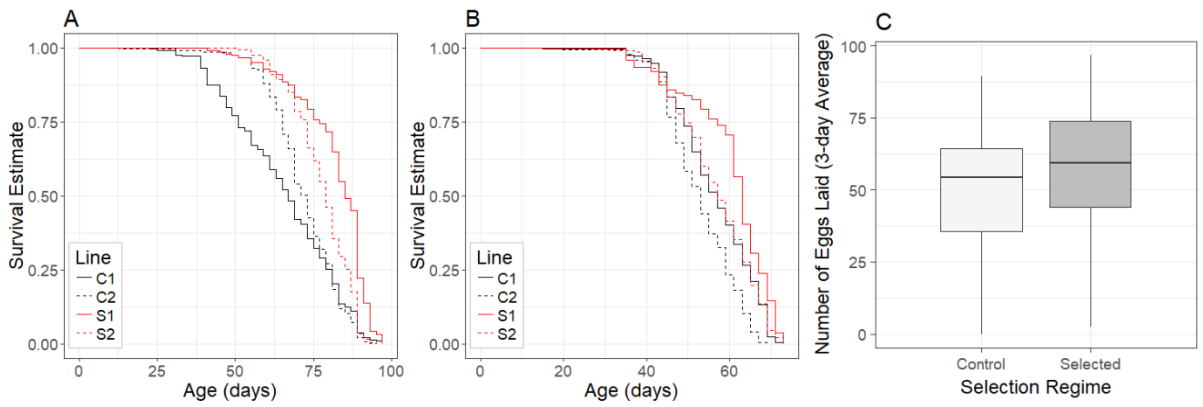

Figure 12. Life history characteristics of the selection lines. (A) Lifespan at 25°C after 3 generations of selection. (B) Lifespan at 25°C after 5 generations of selection. (C) Average fecundity over a 3-day period starting at age 4.

Median lifespan was significantly longer in the S regime at both generation 3 and generation 5 by 17% and 26% respectively (Figure 12A+B), however there was no change in early life fecunduty at generation 5 (Figure 12C).

According to developmental run-on theories of ageing, early life development and maturation may be intrinsic to ageing, as the continuance of these developemtal programs past their usefulness may be the primary driver of ageing (Blagosklonny, 2012; de la Guardia *et al.*, 2016). To investigate this stage of development in the selection lines, egg-to-adult development time was measured at generations 3 and 5. At generation 5 the proportion of larvae that survived to adulthood, and then the sex ratio of those flies that successfully eclosed was also recorded.

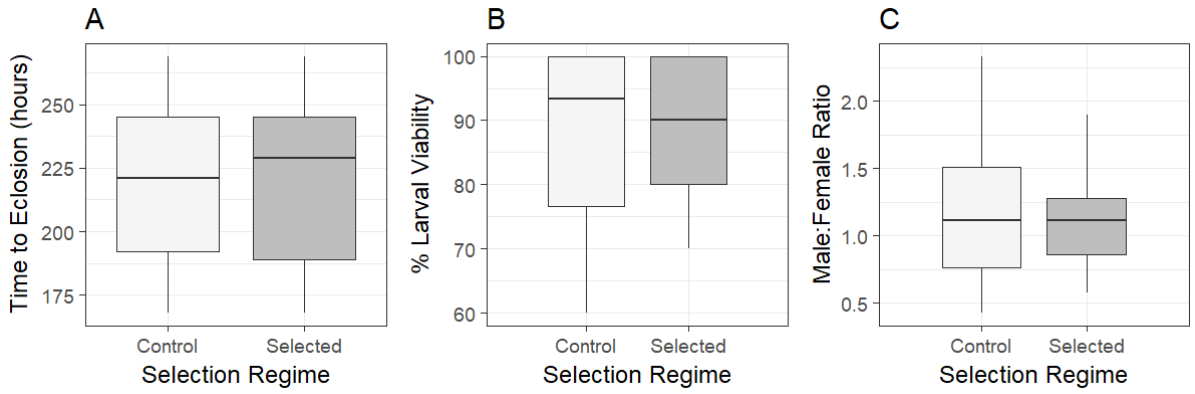

Figure 13. Larval development life-history characteristics of the selection lines. (A) Egg-to-adult development time. (B) Percent of larvae successfully developing to adults. (C) Ratio of males to females of successfully eclosing flies.

There were no changes in any of the developmental life-history characteristics, although there was a highly significant increase ($p < 2x10^{-16}$) in development time for all lines between generations 3 and 5.

Related to, and typically corellated with, larval development is adult body weight (Nunney, 1996). Flies were weighed whilst still alive in the first instance to calculate wet body weight without the risk of water loss, then placed in an oven at 45°C for 24 hours to dry them out before being weighed again. Finally the water fraction could be caluclated from these weight measurements.

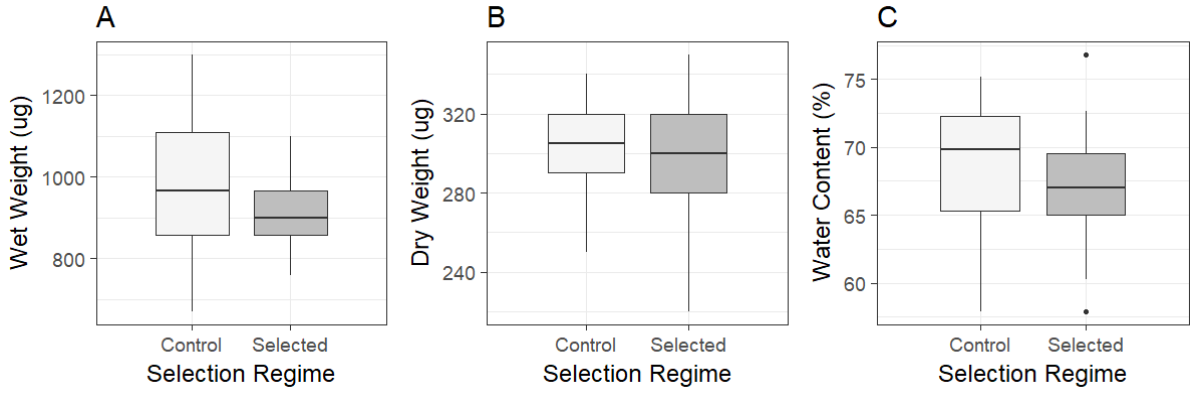

Figure 14. Weights and composition measures of the selection lines. (A) Weight of live flies. (B) Dry body weight of flies. (C) Percent of body weight accounted for by water.

There were no changes in wither wet or dry weight, or water content (Figure 14).

Finally, to complement the water content results, other body composition measures were taken, total protein and lipid content. Protein content declines with age and is correlated with protein synthesis rates (Webster and Webster, 1983) while lipid content is associated with starvation

resistance (Chippindale, Chu and Rose, 1996) and has been correlated with longevity in females (Service, 1987).

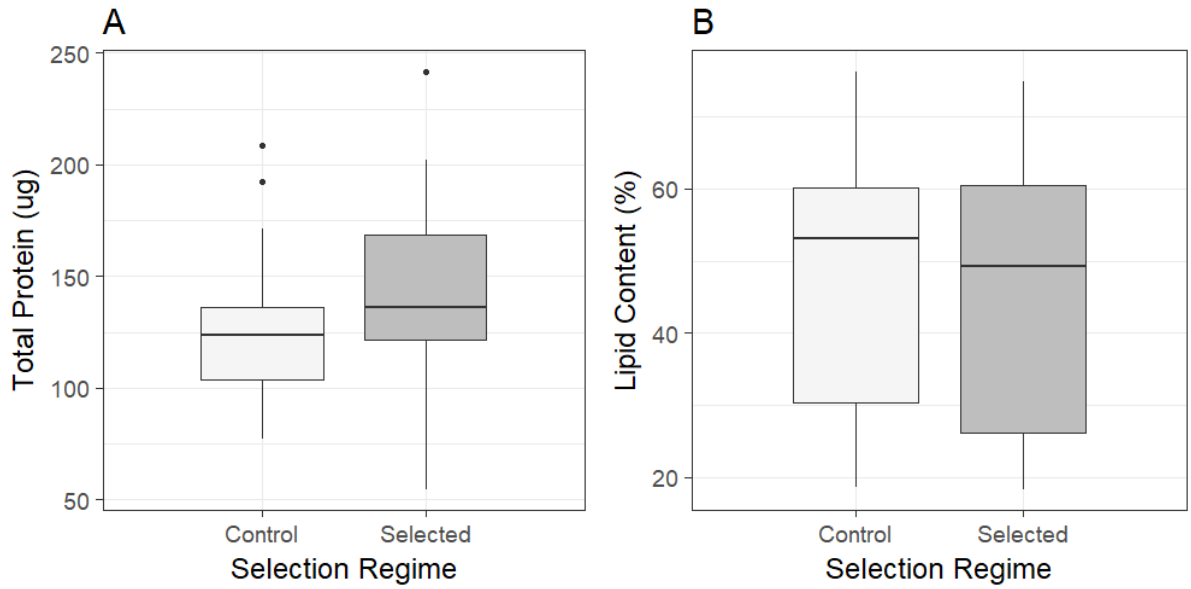

Figure 15. Body composition measures of selection lines. (A) Total protein content of flies. (B) Percent of dry body weight accounted for by lipids.

An increase in mean protein content of 12.3% approached significance in the S regime ($p = 0.065$) (Figure 15A), although there was no change in lipid content (Figure 15B).

25 Stress Responses

Numerous stress responses were also studied as possible correlated responses to selection. Stress responses are closely associated with ageing and longevity, being altered in numerous longevity phenotypes (Service *et al.*, 1985; Broughton *et al.*, 2005; Bubliy and Loeschcke, 2005) and are downstream of genetic mechanisms known to affect ageing such as TOR (Chou *et al.*, 2012) and JNK (Wang, Bohmann and Jasper, 2003) signalling pathways.

Heat stress resistance was a correlated response to longevity selection in the UC Irvine lines (Service *et al.*, 1985), while mild heat stress can extend lifespan in *Drosophila* (Hercus, Loeschcke and Rattan, 2003) and heat stress response mimetic drugs can extend lifespan in *C. elegans* (Benedetti *et al.*, 2008). To test heat stress resistance, survival of the selection lines was measured at 38°C at both generations 3 and 5.

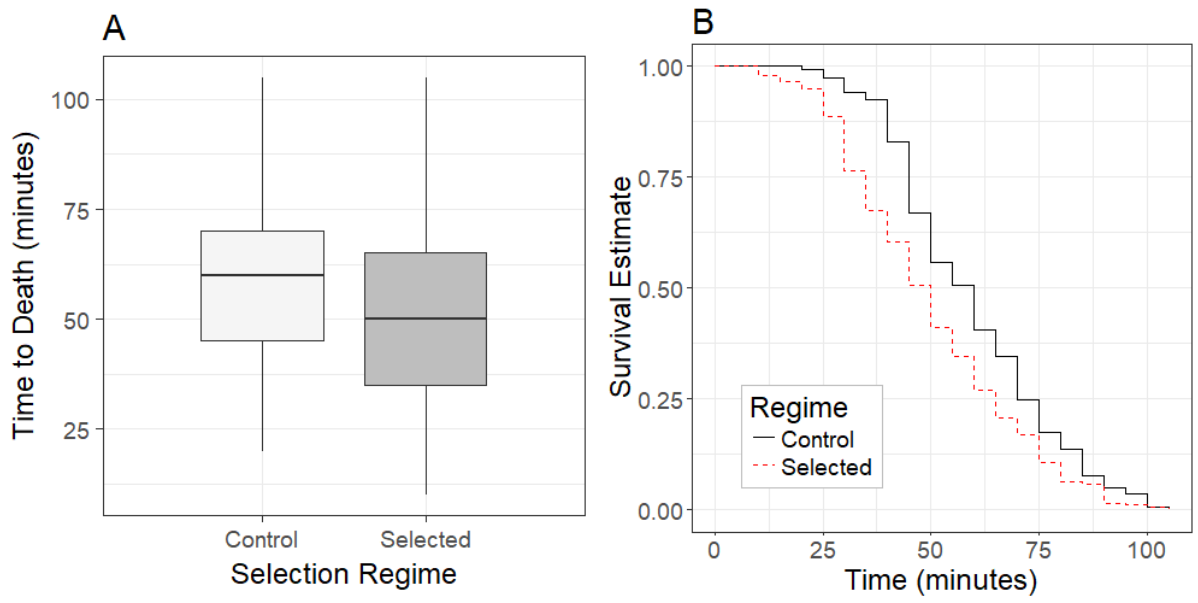

Figure 16. Resistance of the selection lines to heat stress (38°C). (A) The distribution of survival times at 38°C. (B) Kaplain-Meier survival curves showing survival at 38°C.

A 15% reduction in mean heat stress resistance of the S regime approached significance (p=0.086) and comparing the survival curves by log-rank showed a highly significant reduction in heat stress resistance of the S regime ($p=1.42x10^{-7}$) (Figure 16).

Desiccation and starvation resistance were measured at both generations 3 and 5. These traits are common correlated responses to longevity selection (Service *et al.*, 1985; Bubliy and Loeschcke, 2005). Both desiccation and starvation resistance were measured at generations 3 and 5.

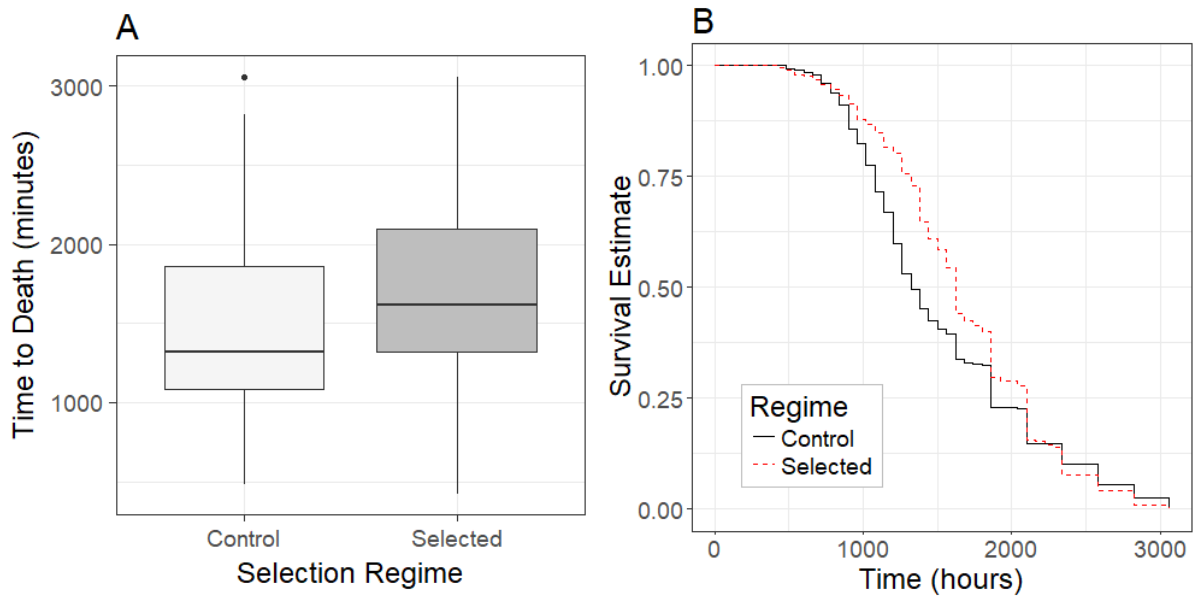

Figure 17. Resistance of the selection lines to desiccation. (A) The distribution of survival times under desiccation conditions. (B) Kaplain-Meier survival curves showing survival under desiccation conditions.

There was no significant change in mean desiccation resistance, although there was a significant decline from generation 3 to generation 5 ($p=2x10^{-16}$), and comparing survival by log-rank showed a significant increase in desiccation resistance in the S regime (p=0.016).

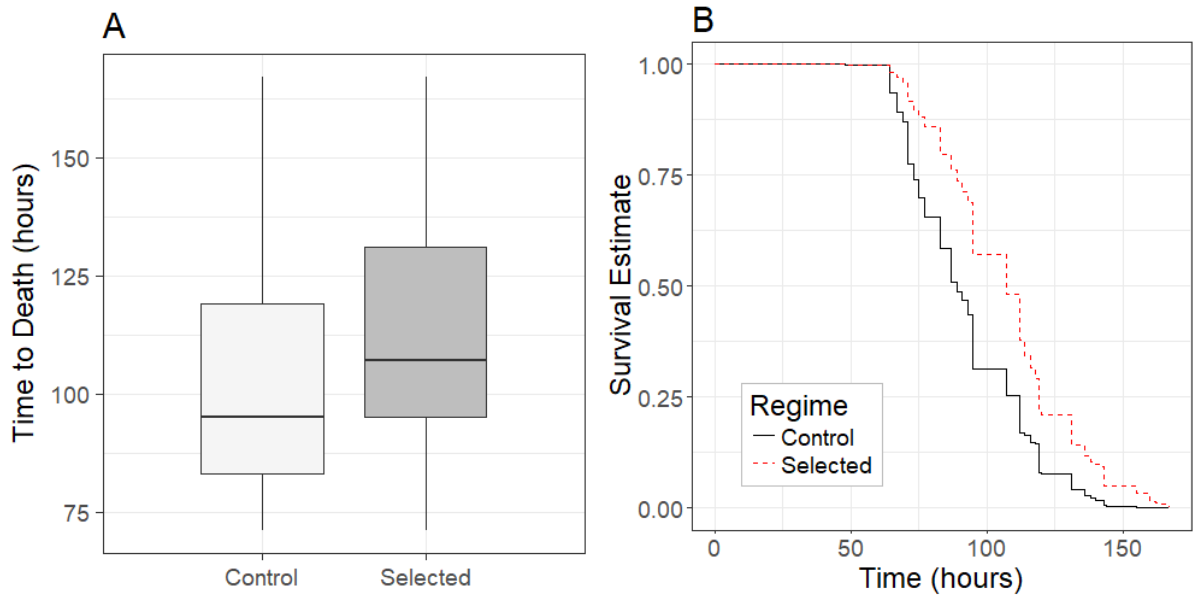

Figure 18. Resistance of the selection lines to starvation. (A) The distribution of survival times of under starvation conditions. (B) Kaplain-Meier survival curves showing survival of flies under starvation conditions.

Mean starvation resistance did not change between the selection regimes, however there was a significant ($p=1.04x10^{-14}$) increase between generations 4 and 5. Survival of the S regime was highly significantly increased when compared by log-rank 4 ($p < 2x10^{-16}$).

Finally, oxidative stress resistance and measures of oxidative damage can help determine the possible involvement of molecular damage responses in the longevity phenotype. To study this, resistance to paraquat (a producer of superoxide radicals), and adult levels of protein carbonyl levels were measured after 5 generations of selection.

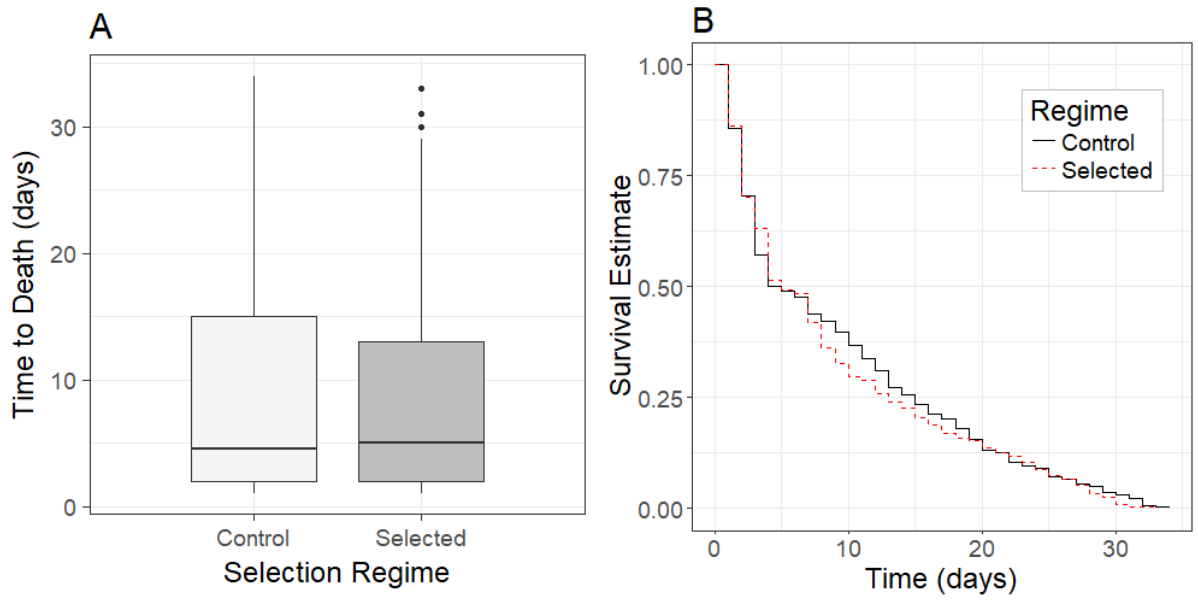

Figure 19. Resistance of the selection lines to oxidative stress (20mM paraquat). (A) The distribution of survival times of flies fed 20mM paraquat. (B) Kaplain-Meier survival curves showing survival of flies fed 20mM paraquat.

There was no difference in either mean oxidative stress resistance, or the survival curves of the selection regimes (Figure 19).

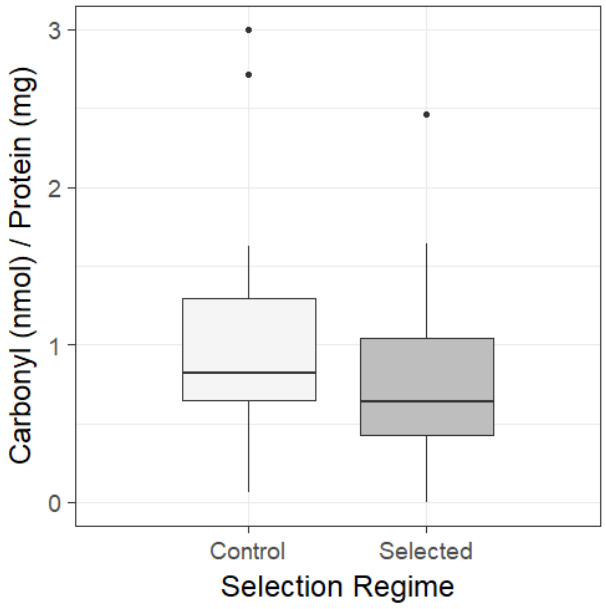

Figure 20. Carbonyl content of individual flies from the selection line measured by dot blot, expressed as nmols carbonyl per mg total protein.

As with the oxidative stress resistance assay, there was no difference in carbonyl accumulation between the selection lines (Figure 20).

Discussion

26 Introduction

Correlated responses are changes in phenotype that are a result of a selection regime but were not the subject of direct selection. They are studied in order to determine potential genetic and mechanistic links between the studied phenotype and other phenotypes, however they are typically far more variable than direct responses (Gromko, 1995). Between, and sometimes within, selection experiments correlated responses can be heterogeneous, making comparisons with other studies difficult, however some traits for instance stress responses and numerous life history characteristics have broad representation in longevity selection experiments.

One flaw of using correlated responses to determine possible genetic mechanisms is that, much like the genetic changes themselves, correlated responses can be the result of drift, genetic fixation or inadvertent direct selection brought about by an imperfect method.

27 Life History

Life history characteristics are perhaps the most variable responses commonly measured in longevity selection lines. Even small changes in environment, handling or parental conditions can produce changes in life history (Crill, Huey and Gilchrist, 1996; Vijendravarma, Narasimha and Kawecki, 2010; Nystrand and Dowling, 2014). Nonetheless, they are still a useful measure and can provide useful insight into the mechanisms of ageing, due to how closely linked longevity is to the various stages of development and reproduction.

Development time has been altered in longevity selected lines. The UCL lines showed significantly reduced development time relative to the controls (Partridge, Prowse and Pignatelli, 1999) although in this case *Drosophila* selected for early reproduction also showed this change. In our study, there was no difference in development time between the regimes, however there was a highly significant increase ($p < 2x10^{-16}$) in development time across both regimes from generation 3 to 5. This was likely due to declining health of the lines due to inbreeding.

Drosophila weight has been shown to be both positively and negatively correlated with longevity in Drosophila, much like development time. The Wayne State longevity selected lines have a lower

body weight than the controls (Buck *et al.*, 2000) possibly due to an altered larval development phenotype ultimately reducing the effects of developmental overrun in later life. In our study there was no change in body weight between the lines, which coupled with the lack of change in development time suggest that the lifespan extension observed was unlikely to have been caused by an alteration of larval developmental programs.

Viability and sex ratio can be indicative of parental biological age, with viability declining with maternal age (Kern *et al.*, 2001) and the sex ratio of offspring being skewed depending on either the paternal or maternal age (Yanders, 1965). We observed no change in either viability or sex ratio across the selection lines. However, S1 tended towards a tighter grouping at a lower viability than the other lines potentially expected due to the higher incidence of inbreeding in the S lines compared to the controls, however this was not significant. Likewise, C2 tended to a wider grouping with more males to females (Appendix 1).

Finally, there was no change in early fecundity, disagreeing with the results of Zwaan, et al. (1995). However, the period we measured fecundity over, ages 3-5 days, is in the period at which Zwaan, et al. detected the smallest difference between the lines in early life period. There are also plenty of examples whereby selecting to extend lifespan did not affect early fecundity (Partridge, Prowse and Pignatelli, 1999).

To evaluate functional ageing, three molecular measures were taken, total protein content, protein carbonylation levels in adult flies and total lipid content. Due to technical issues, only a small subset of the lipid data was usable.

Total protein was increased 12.3% in the S lines, approaching significance ($p = 0.065$). This was mostly due to high levels in S2. The Wayne State lines saw no change in protein in long-lived adults, despite their larvae having roughly half the total protein of their short-lived counterparts. This was considered to be due to altered feeding behaviour in the larvae of the selected lines, however after the flies reached adulthood the disparity in protein disappeared, possibly as a result of the different levels of fecundity between the selection lines (Riha and Luckinbill, 1996). In the case of our lines this explanation seems unlikely since they were selected in a way that should not affect early fecundity, and indeed fecundity was not altered in the S lines (Figure 12C). However, it is still possible that early life metabolic tradeoffs allowed a greater amount of protein synthesis in the S lines.

There was no significant change in lipid content between the selection regimes (Figure 15B). The UC Irvine lines showed an increase in lipid content in the long-lived lines at young ages, possibly due to their decreased fecundity allowing increased lipid storage (Djawdan *et al.*, 1996). As such it is

unsurprising that our lines did not show a change in lipid content, since they also did not show altered fecundity, and thus this result contributes to the conclusion that the lifespan extension was not achieved by a reduction in reproduction or reproductive development.

The lack of change in most life history characteristics across the selection lines is interesting because it suggests that the lifespan extension was not achieved by simply slowing developmental processes or modulating reproduction. Further study could confirm this by covering a wider range of life history characteristics, for instance male competitive ability, and lifetime female fecundity.

28 Stress Resistance

A reduction in mean heat stress resistance in the S lines approached significance ($p = 0.086$) while the survival analysis showed the lifespan curves to be highly significantly different between the control and selected regimes ($p = 1.42 \times 10^{-7}$). Whether this is because there is a tradeoff between heat stress resistance and longevity or simply that heat stress resistance suffered inbreeding depression is unclear without further study. Crossing the lines within each selection regime and then comparing heat stress resistances could help determine if inbreeding depression was at play. Reduced heat stress resistance has been associated with extended lifespan in previous studies. Ablating insulin-like peptide producing cells extends lifespan and lowers heat tolerance (Broughton *et al.*, 2005), while at least one other line selected for longevity has expressed a sensitivity to heat stress (Kuether and Arking, 1999). This sensitivity could be indicative of a frailty in the flies, although the lack of differences in life history characteristics suggests this is not the case. Another explanation could be that the heat stress response in the long-lived lines is constitutively more active, but less adaptive to the extreme stress of the assay.

Like heat stress, oxidative stress resistance relies on a network of molecular chaperone proteins, as well as antioxidant complexes to tackle ROS directly, and these processes are associated with ageing (Zou *et al.*, 2000). Because of the overlap in function, it is somewhat surprising that while we saw a possible decline in heat stress resistance, there was no observed change in oxidative stress resistance (Figure 19A). This may be due to the changes in heat stress resistance being such that they do not overlap with oxidative resistance, or possibly there were changes in other oxidative defences that counteracted a decline in the general stress response. A final possibility is that, at 20mM diluted in solid food medium, the oxidative stress caused by the paraquat was not sufficient to highlight any differences in the lines, where a higher concentration or different delivery, for instance in sucrose solution, may have an effect, however high sucrose diets can also be stressful so this may introduce a confounding factor (Rzezniczak *et al.*, 2011).

Protein carbonyl content is one possible measure of the oxidative damage that accumulates with ageing. High protein carbonyl is associated with advanced age as well as numerous ageing related diseases such as Alzheimer's disease, rheumatoid arthritis and diabetes (Dalle-Donne *et al.*, 2003). We saw no change in carbonyl content at age 25, suggesting that if oxidative stress responses are altered in the S lines it does not influence carbonyl accumulation up to this age. An interesting future study would be to examine carbonyl levels in the selection lines at a more advanced age, possibly with other measures of oxidative damage such as advanced glycation end-product (AGE) accumulation. These are protein modifications that accumulate with age, are associated with diabetes, ageing and other disorders and have links to carbonylation (Singh *et al.*, 2001).

Desiccation resistance is associated with longevity and a decreased water loss rate, characteristics that have been observed in flies selected for longevity (Nghiem *et al.*, 2000). Water loss rates in *Drosophila* are tied chiefly to three causes, respiratory loss, excretion and cuticular loss and is thus modulated by metabolism, spiracle activity and surface lipid content (Gibbs, Fukuzato and Matzkin, 2003). While there was no mean change in desiccation resistance, when comparing the survival curves there was a significant increase in desiccation resistance of the S regime ($p = 0.02$). Looking at the results for desiccation at generations 3 and 5 separately (Appendix 1) it appears that there was a highly significant increase in desiccation in the S lines at generation 3, driven by S1, but no change at generation 5. This could indicate that the desiccation response was merely a result of fixation of extreme resistance alleles within S1 which were since lost by generation 5. This would mean that desiccation resistance was unlikely to be involved in the longevity phenotype observed in the S regime at generation 5.

Unsurprisingly, starvation resistance mimicked the results of the desiccation assay. Starvation and desiccation resistance are very closely connected in *Drosophila*, both being highly dependent on activity and lipid content (Hoffmann and Parsons, 1993; Hoffmann and Harshman, 1999). Selecting *Drosophila* for increased starvation resistance can extend longevity in a background previously selected for longer life (Rose *et al.*, 1992). Starvation resistance is usually accompanied by increases in lipid content, much like desiccation resistance (Djawdan *et al.*, 1998; Ballard, Melvin and Simpson, 2008). In this case, lipids were only measured at generation 5, and there were no significant differences between the lines Figure 15B, which agrees with the lack of differences in the stress assays. These results suggest that the mechanism behind the longevity phenotype may at least in part overlap with starvation and desiccation resistance mechanisms, although in a lipid content independent manner.

29 Longevity Strategies

It is apparent that the longevity phenotype achieved by our selection experiment was, at least in part, due to changes in stress responses rather than in life-history and developmental characteristics. Heat stress was noticeably affected the S regime, suggesting that modulation of chaperones or repair proteins may be responsible for extending healthy lifespan.

The decline in heat stress resistance in the S lines, coupled with the lack of improvement in oxidative stress resistance, suggests that the selected flies may be frailer, perhaps expressing stress resistance mechanisms at a higher level constitutively, but being less able to increase them in response to severe stress. This would explain the longevity phenotype, repair mechanisms would be higher in the S lines under normal conditions, as well as the lowered stress resistance as the flies would be less adaptable.

As mentioned previously, the loss of desiccation resistance by generation 5 suggests that desiccation resistance mechanisms did not contribute to the lifespan extension. A possible explanation for this is that whatever changes led to the increased starvation resistance observed in the S regime could have increased desiccation resistance as a side-effect initially, but that this effect was not necessary for the mechanism itself. Starvation resistance itself was consistently higher in the S lines (Appendix 1) and as such it seems likely that starvation resistance is a true correlated response to longevity selection in this case while desiccation resistance is an anomaly.

30 Conclusion

While the phenotype results are variable, and in some cases difficult to interpret, there are still patterns that emerge. Both heat stress and starvation resistance appeared to be affected by the selection regime, and that a decrease in the former and increase in the latter can be considered correlated responses. The heat stress result is especially robust as there was a strong decrease in survival of both S lines at both generations tested (Appendix 1).

Life history characteristics were broadly unaffected, and where they were changed they followed the expected pattern. Early fecundity was unaffected, justifying the use of the familial selection method, and development time was likewise unaffected. The implications of this are that if the longevity phenotype was caused by modulation of developmental processes, as the developmental run-on theories would suggest, these changes were subtle enough that they did not affect reproductive development itself or the changes were perhaps timed to later life and so were missed by these experiments which predominantly measured young flies.

Overall, the S lines displayed a mixed bag of indirect responses to selection, some typical of longevity selection such as the changes in some stress resistance while others were atypical, such as the lack of observed life-history trait or oxidative stress resistance changes.

Chapter 4 – Transcriptomics of Long-lived *Drosophila*

31 Introduction

While its associated phenotypes say a lot about the causes of longevity, it is necessary to examine the genetics and molecular processes that make up an organism to more fully understand it. For this end there are numerous approaches, ranging from the macro-, for instance metabolomics which quantifies the full spectrum of metabolites at a point in time (Kristal *et al.*, 2007), to the micro-, such as genomic deep-sequencing and SNP analysis, comparing the effects of changes in individual nucleotides of the genome (de Magalhães, Caleb E Finch and Janssens, 2010). Expression analysis and transcriptomics, the study of a complete RNA profile, lies somewhere in the middle, and as such is ideal for collecting a large amount of information about mechanisms on either end.

32 Gene Expression in Ageing

Ageing occurs in all systems across the whole body, as such it has a wide-reaching transcription profile (Yang *et al.*, 2015). This profile showing the gene expression changes associated with ageing is unique to the individual, however numerous studies have attempted to find common or 'public' genetic mechanisms.

32.1 Ageing Expression Profile

The real difficulty in constructing the ageing transcriptome is in the integration of a huge number of datasets, many of which were investigating issues only tangential to ageing. However, despite this maelstrom of data, certain themes regularly present themselves. An extremely consistent theme is the decrease of mitochondrial function gene expression with age. This has been observed in skeletal muscle of mice, humans and flies, although was not apparent in worms (Lee *et al.*, 1999; Zahn *et al.*, 2006). Mitochondrial function is intrinsically linked to cellular oxidative stress, and efficient mitochondrial turnover is essential for muscle health. There is ample evidence that mitochondrial dysfunction contributes to sarcopenia and muscle ageing, with reduced expression of genes associated with mitochondriogenesis (PGC1-α), and autophagy (LAMP-2) in older individuals (Marzetti *et al.*, 2013).

Stress resistance is another common theme in ageing profiles. Heat shock proteins are responsible for a wide range of cellular defences against stress, as well as helping to repair and prevent the accumulation of damaged proteins. Improved Hsp70 induction has been observed in long-lived *Daphnia*, along with induction into more advanced ages compared to shorter lived populations (Schumpert *et al.*, 2014), while also considered to be responsible for the lifespan extending effects of mild heat shock in *Drosophila* (Sarup, Sørensen and Loeschcke, 2014). In humans, *Hsp70* expression has been shown to increase in aged skeletal muscle, likely a response to the increased cellular damage associated with old age (Thalacker-Mercer *et al.*, 2010). However, the role of the heat shock response in ageing is not completely clear, with another study finding that *Hsp70*, *Hsp23* and αβ-crystallin expression did not change between either young and old people, or between those with and those without age related sarcopenia (Beltran Valls *et al.*, 2015). High expression of heat shock proteins in short-lived *C. elegans* have also been observed (Manière *et al.*, 2014), however this may simply be due to an increased response brought about by their advanced biological age.

Other pathways commonly associated with ageing include protein synthesis, autophagy, neurite repair, and neuroprotection (Lee *et al.*, 1999; Reynolds *et al.*, 2015; Wood *et al.*, 2015). Unsurprisingly, these pathways, alongside the stress response and metabolism genes, are largely concerned with maintaining correct cellular function and repairing cellular damage.

Analyses of microarray data have managed to capture a transcriptomic 'signature' of ageing, highlighting those processes that are most frequently altered during the ageing process. Meta-analysis of the ageing transcriptome in mice, rats and humans has shown ageing to coincide with an overexpression of immune response, lysosomal, signal glycoprotein and apoptotic regulation genes, while there is an underexpression of predominantly metabolic genes (de Magalhães, Curado and Church, 2009). Similarly, comparing the ageing transcriptome between *C. elegans* and *D. melanogaster* has seen a repression of metabolic and in particular mitochondrial respiratory chain, ATP synthase and citric acid cycle related genes (McCarroll *et al.*, 2004). Finally, such methods have also been used to evaluate the effects of lifespan extending interventions. For instance, the transcriptional profiles of DR and rapamycin treatment are surprisingly dissimilar in mouse liver, despite both interventions extending lifespan through a similar route. Rapamycin was shown to cause an overexpression of unfolded-response protein genes along with an underexpression of glutathione-S-transferases, while DR caused overexpression of mitochondrial metabolism and stress resistance genes with an underexpression of immune, urinary and glucose metabolism regulatory genes (Fok *et al.*, 2014). A meta-analysis of the effects of DR has shown similar results, with overexpression of mitochondrial metabolism and stress response genes with an underexpression of immune responses proving to be a conserved signature of DR (Plank *et al.*, 2012).

32.2 Expression as Biomarker

Because ageing has a distinct expression profile, expression changes can be used as biomarkers to assess biological age. Such biomarkers are potentially easy to assay in patients and could provide a good indication of disease risk factors for individual care. Potential ageing biomarkers have been identified in whole blood, assayed by microarray. These genes are likely reflections of the immune changes that occur with ageing, including changes in memory T cell and CD8 T cell number, cellular activity change and changes in B cell function (Nakamura *et al.*, 2012). Blood transcriptomics has also been explored as a source of biomarkers for ageing related diseases such as Alzheimer's. Comparison of Alzheimer's related microarray experiments has shown 175 genes that are common to at least two data sets, while 7 were common to at least three datasets. Of the broader category, gene functions included innate immune response regulation, ribosomal biogenesis, focal adhesion, apoptosis and translational elongation, maintaining the protein synthesis theme present in many ageing transcriptomes. The 7 recurrent genes were involved in similar functions, proteolysis, translation, the cytoskeleton, neural differentiation and cell cycle function (Han *et al.*, 2013).

The main advantage of expression biomarkers is that they can often be analysed without the need for invasive biopsies. For instance, the markers only require a blood sample, while other easily collected samples may also be used. Salivary microRNAs (miRNA) have been suggested as one source of biomarkers, with miR-24-3p being identified as a possible candidate. This miRNA is possibly an apoptotic regulator, and was identified first by microarray and then confirmed with qPCR (Machida *et al.*, 2015). The advantage of a reliable, qPCR detectable ageing biomarker is that qPCR is relatively cheap compared to microarray or RNA-Seq, and so could be used as a quick and low-cost marker for helping to determine disease risk factors (Hennessey *et al.*, 2012).

A final and important use of expression biomarkers is in understanding the biological age of a subject when carrying out other research. A reliable ageing expression profile would allow the normalisation of subjects for biological, rather than chronological, age in ageing related transcriptomics experiments. This would be especially useful in human studies, where ageing rates can be extremely heterogeneous, and not clear in the participants. Using previous microarray datasets it has been possible to establish probe sets that can be used to accurately predict age related health of a person (Holly *et al.*, 2013). A similar approach, and better characterised so far, is to use methylation as a biomarker of biological age. The main example of this is Hovarth’s clock, a selection of 353 methylation sites on the human genome, the methylation states of which can be used to estimate the biological age of a subject (Horvath, 2013).

32.3 Expression Modulation as Intervention

Knowledge of the ageing transcriptome has increasingly been considered when developing interventions to promote healthy ageing. There is evidence that some lifespan extension methods work by altering the expression levels of lifespan extending genes. Dietary restriction is a highly studied method of lifespan extension and has a closely associated transcriptional profile (Plank *et al.*, 2012). This profile shows a downregulation of metabolic genes and an upregulation of OXPHOS and ubiquinone biosynthesis genes, suggesting the lifespan extension may be caused by a slowed metabolism and improved mitochondrial activity. This study also showed changes in various Drosophila insulin-like peptides (DILPs), including DILP5 and DILP6, consistent with earlier experiments (Whitaker *et al.*, 2014). Heat treatment is also able to extend lifespan in Drosophila and has a clear transcriptomic profile, with numerous heat shock proteins being upregulated for weeks after the heat treatment itself, suggesting their upregulation contributed to the life extension effect (Sarup, Sørensen and Loeschcke, 2014).

Using such transcriptomic screens, it may be possible to identify target genes for new interventions that will extend lifespan easily and consistently, and with fewer side effects. One way to test genes for lifespan effects is the use of transgenic organisms. Drosophila are especially suited for this, since their genetics are well understood and there are numerous transgenic strains already available from projects such as the Transgenic RNAi Project (Perkins *et al.*, 2015). Using RNAi transgenes, a target gene can be underexpressed *in vivo*, and the lifespan effects of the modulation can be measured. Likewise, genes can be overexpressed using transgenics, for instance via insertion of a GAL4 activated promoter upstream of the target gene (Rorth *et al.*, 1998).

This GAL4-UAS system is a common method for modulation of gene expression in *Drosophila*. It involves crossing two transgenic strains of *Drosophila*, one possessing a tissue specific transcriptional activator GAL4 (the driver strain), and the other containing an upstream activation sequence (UAS) next to a copy of the target gene. The progeny resulting from this cross express GAL4 which then activates the UAS and thus switches on the target gene (Brand and Perrimon, 1993). The GAL4-UAS system allows gene expression changes to be targeted to specific tissues, by using tissue specific drivers, and is also useful when studying transgenes that may cause problems for culture maintenance, for instance if they cause infertility. GAL4-UAS has been used to identify ageing related genes such as the DNA methyl transferase, dDnmt2, which extends lifespan in Drosophila when overexpressed (Lin *et al.*, 2005).

Further refinements have made the GAL4-UAS system more useful for ageing research. Since it is not known which point in development longevity is most affected by, and since some gene modulations

can be fatal in early life or in large doses, the ability to induce transgene expression at will was needed. Several systems were developed to achieve this. GeneSwitch, one of the more widely used methods, relies on a chimeric GAL4 protein that only activates the UAS in the presence of the antiprogestin RU486 (Osterwalder *et al.*, 2001; Roman *et al.*, 2001). RU486 can be administered to Drosophila in the food, making it easy to 'switch on' the transgene at any point in development. Many other inducible transgene systems have been developed, for instance using other steroids (Han, Stein and Stevens, 2000), heat shock (Pascual, Huang and Preat, 2005) or tetracycline (Bello, Resendez-Perez and Gehring, 1998) as the induction agents. Each inducible system has its advantages and limitations, and even within the GeneSwitch system, thought must be given to the construct and drivers chosen to ensure it is appropriate for the research question (Poirier *et al.*, 2008).

Using transgenic methods, numerous expression changes have been found to modulate longevity. Apoptosis and senescence regulatory genes were found to have varying effects when induced at different stages and using different drivers. Overexpressing the *p53* allele *p53-259H* caused increased lifespan in Drosophila females but not males, while overexpression of *wingless* and *Ras* was lethal in larvae and shortened the lifespans of adult flies. The same screen found that overexpression of the caspase inhibitor baculovirus *p35* shortened lifespan, but led to a long-lived female subpopulation (Shen *et al.*, 2009). Similarly, GeneSwitch induction of *dFOXO*, a gene widely recognised as a modulator of *Drosophila* lifespan, can extend lifespan when targeted to the fat body of adult flies (Hwangbo *et al.*, 2004). These data show the value of temporal expression control in determining the complex interactions between longevity and gene expression.

33 Developing Technology and Changing Questions

The application of modern technologies to ageing research is proving invaluable in unravelling the complex genetic mechanisms behind longevity. As technology has progressed, the ageing questions that have been asked, and answered, have moved from the broad to the narrow.

33.1 Population Genetics

The question of why organisms age was the first to be tackled by modern ageing research. The competition between the various evolutionary theories of ageing, predominantly the mutation accumulation and antagonistic pleiotropy theories, drove not only the first longevity selection experiments (Rose and Charlesworth, 1981b), but also population genetics studies to explain the hereditary variation in rates of ageing (Rose and Charlesworth, 1981a). The heritability of longevity itself was broadly (although not universally) accepted as numerous studies of lab animals

demonstrated genetic determination of lifespan (Goodrick, 1975; Deerberg *et al.*, 1980) and a pilot longevity selection was able to extend lifespan in Drosophila (Rose and Charlesworth, 1981b).

Experimental evolution was principally used to answer the question of why ageing evolved. It was postulated that mutation accumulation would lead to the additive genetic variation of fitness traits increasing with age, while antagonistic pleiotropy would lead to easily selectable changes in longevity, by selecting on fitness traits at different ages. These ideas were tested and no increase in additive genetic variance of egg laying rate was found with age, while longevity was increased by selecting on late reproduction, supporting antagonistic pleiotropy as the dominant influence on longevity (Rose and Charlesworth, 1980). Another approach was sibling analysis of laboratory Drosophila populations, measuring life-history traits in sibling females and looking for correlations. Genetic variance for fecundity was found to be inversely correlated with lifespan, further suggesting an antagonistic pleiotropy relationship between the two traits (Rose and Charlesworth, 1981a).

The UC Irvine, Wayne State University and Edinburgh lines were extensively studied to determine the evolutionary history of ageing. The UC Irving lines saw reduced fecundity in females during early life as a tradeoff for long life (Rose, 1984), as did the Wayne State lines supporting antagonistic pleiotropy (Luckinbill *et al.*, 1984), while the Edinburgh lines saw no such difference, suggesting either mutation accumulation or a different pleiotropic trait (Partridge and Fowler, 1992).

These early hypotheses were supported by the study of quantitative trait loci (QTL). QTLs are simply locations in an organism's DNA that correlate with a quantitative phenotype. Once identified, QTLs can be measured in populations to give an idea of how a phenotype is genetically determined. In the Wayne State selection lines, the lifespan extension effect was shown to be polygenic and a result of contributions from all chromosomes, although the third chromosome contributed the most explaining 66-72% of lifespan variation in females (Luckinbill *et al.*, 1988). Later, numerous QTLs were identified correlating with the selection regime, however not all of these correlated with longevity, showing how drift can lead to erroneous results in selection experiments (Curtsinger *et al.*, 1998). The UC Irvine lines had the same response, showing that the lifespan extension was a result of epistatic control of chromosome 2 by genes on chromosome 3 (Arking, Dudas and Baker, 1993).

33.2 Microarray and RT-qPCR

The development of the polymerase chain reaction (PCR) in the early 80s was pivotal for genetic research, allowing any given DNA sequence to be replicated and produced in abundance (Mullis *et al.*, 1986). Subsequently, the technique was improved by adding ethidium bromide, which fluoresces in the presence of double-stranded DNA, allowing the PCR reaction to be tracked in real-time

(Higuchi *et al.*, 1992). Concurrently, PCR was being developed for use in the quantification of mRNA (Rappolee *et al.*, 1988), and combining the two led to reverse transcriptase qPCR (RT-qPCR) protocols able to accurately measure relative mRNA levels, in real-time, all in the same tube (Gibson, Heid and Williams, 1996).

A related technology made possible by PCR is the expression microarray, allowing relative mRNA quantification of a huge number of genes simultaneously (Schena *et al.*, 1995). Using microarrays allows large scale studies of genes for involvement in ageing (De Magalhães, Curado and Church, 2009), while RT-qPCR is routinely used in validation of microarray studies, or for focused experiments where information on a few specific genes is required (Morey, Ryan and Dolah, 2006).

When used with selection experiments, these transcriptomic techniques have allowed the characterisation of some of the mechanisms behind lifespan extension. The selected flies of the University of Aarhus lines for instance showed that genes upregulated in the selected flies tended to be genes that were downregulated with age as whole. Additionally, genes of the "phototransduction and vision" functional group were found to be the most represented of the differentially expressed genes, mirroring a previous study selecting for increased heat resistance(J.G. Sørensen, Nielsen and Loeschcke, 2007; Sarup, Sørensen and Loeschcke, 2011). Candidate genes from this study were later confirmed using RT-qPCR and expression was also tested in the Groningen University directly selected strains (Wit *et al.*, 2013). From this study, the gene CG32638 was found to be expressed at a lower level in the long-lived lines from both selection regimes. This gene shares a conserved region with the human *angiotensin II type 1 receptor protein*, which is involved in the regulation of blood pressure and water salt balance.

Expression analysis of the UC Irvine lines found the standard expression profile of ageing, with both regimes seeing a downregulation of proteolysis, mitochondrial function intermediary metabolism and nucleic acid synthesis while protein synthesis, stress responses and immunity were upregulated. The long-lived lines were found to have increased expression proteolysis and xenobiotic detoxification genes relative to the controls. Of the genes differentially expressed between the treatment groups, 27 were found to co-localize to QTLs on chromosome 3, found to be associated with the lifespan differences between the lines (Wilson *et al.*, 2013).

Microarray transcriptomics has also been useful in investigating the link between longevity and stress resistance. A microarray comparison of the stress and longevity selected University of Aarhus lines found that the longevity selected lines shared many common expression changes with those selected for starvation and desiccation resistance (J. G. Sørensen, Nielsen and Loeschcke, 2007). Interestingly, it was found that lines selected for varying kinds of heat stress, heat knockdown,

consistent high temperature or heat-shock, had dissimilar expression patterns from one another, suggesting the heat stress response is highly multifaceted and must be regulated carefully to protect against different sources of damage.

33.3 Genomics

With the completion of the Drosophila genome project (Adams *et al.*, 2000), and the subsequent annotation of many of its genes and features (Tweedie *et al.*, 2009), a powerful new tool was available in the analysis of long-lived flies. Using these annotations, smaller scale sequencing studies were able to sequence and characterise previously known genes of interest, for instance *indy*, shown to double average lifespan in some conditions when knocked out by p-element insertion (Rogina *et al.*, 2000). Sequencing the *indy* gene, it was determined to be homologous to the mammalian sodium dicarboxylate cotransporter, which, coupled with its expression in the midgut, fat body and oenocytes, suggested that the knockout may lead to a reduced metabolic function mimicking dietary restriction. This success was controversial however when the result was found to be linked to the presence of the parasite *Wolbachia* (Toivonen *et al.*, 2007), although this was later refuted (Helfand *et al.*, 2009) and deletion of mammalian homologues of *indy* has since been suggested as a promising target for the treatment of nutritional diseases of ageing such as obesity and type 2 diabetes (Birkenfeld *et al.*, 2011).

On a broader scale, sequencing data has been used in Genome Wide Association Study (GWAS) approaches using *Drosophila*, to try and unpick the genomic differences between regular and unusually long-lived flies. Comparing the genomes of extremely long-lived flies to younger members of the same cohort, SNPs were mostly found in genes of the immune response and glutathione metabolic process. Older insects are extremely susceptible to pathogens, due to accumulated injuries providing numerous access routes, and such variation in immune response genes is unsurprising. Likewise, glutathione transferases are responsible for cleaning up various damageing metabolites that form as a result of oxidative stress, another process implicated in ageing-related mortality (Burke *et al.*, 2014). Adding to this, a GWAS of the *Drosophila melanogaster* Genetic Reference Panel revealed genetic variants associated with ageing in 197 inbred strains with a wide distribution of mean lifespans. Several known ageing pathways were highlighted in this analysis, including proteolysis, carbohydrate metabolism, apoptosis and the TOR pathway, although individual SNPs contributing to longevity could not be effectively determined due to lack of power (Ivanov *et al.*, 2015).

34 Next Generation Transcriptomics

Modern technology allows a new level of complexity in transcriptomics. Approaches such as RNA-Seq can provide semi-quantitative, accurate analysis of different types of RNA without the need for pre-designed probe sets and thus allowing the discovery and description of novel transcripts.

34.1 RNA-Seq

A typical RNA-Seq experiment begins with the extraction of the total RNA to be studied. The RNA is then fragmented, and the fragments are used to construct a library and are fitted with adaptors specific to the method of sequencing. Short sections of the fragments are then sequenced, and the resulting 'reads' are aligned to a reference genome where the counts of annotated features can be obtained for expression analysis (Wang, Gerstein and Snyder, 2009). While expression microarrays are a powerful technology for studying the ageing transcriptome, RNA-Seq has numerous advantages. RNA-Seq does not rely on premade probe sets, so can be used to easily identify novel transcripts and splice junctions, can identify genomic variants, and has an improved ability to detect low abundance transcripts and isoforms over microarrays (Rai *et al.*, 2017).

Although a new technology, RNA-Seq has already seen extensive use in ageing research and been used to characterise Drosophila selection lines. The UC Irvine lines were subjected to both genomic sequencing and RNA-Seq expression analysis (Carnes *et al.*, 2015). Genomic analysis showed a high degree of genomic variation on the X chromosome and chromosome 3, with biologically relevant variation occurring in genes involved with development and differentiation, principally of the nervous system. Expression analysis revealed that the expression differences between the controls and selected lines were largely different between males and females, suggesting that different mechanisms may govern lifespan variation in each. Long-lived males saw upregulation in genes associated with detoxification of xenobiotics, while morphogenesis and development were downregulated. Long-lived females saw upregulation of mitosis, metabolism, gene expression, protein synthesis, RNA binding and mitochondrial function while the immune system, stress responses and detoxification of xenobiotics were upregulated.

RNA-Seq data has also been collected on long-lived Drosophila selected for starvation resistance (Doroszuk *et al.*, 2012).. Stress genes were upregulated at younger ages in the long-lived flies, while they also saw a slower increase with ageing. Likewise, reproduction associated genes were downregulated in the long-lived flies, but reduced with age at a much slower rate compared to the controls. As with some microarray studies, glutathione and cytochrome p450 genes were consistently upregulated in the long-lived lines, again suggesting a link between drug metabolism

and antioxidant defences in longevity. Also interesting is a recent RNA-Seq analysis comparing 14 different species of *Drosophila* with mean lifespans ranging from 20 to 40 days (Ma *et al.*, 2018). As with the starvation and longevity selected flies, xenobiotics genes tended to be overexpressed, along with metabolic and lipid synthesis genes while underexpressed categories included numerous behavioural and nervous system categories.

35 Enrichment Analysis

A commonly used approach to analysing high-throughput expression data is gene set enrichment analysis. Gene set enrichment analysis (GSEA) is a method of determining the degree of over- or under-representation of particular characteristics in a given list of genes (Subramanian *et al.*, 2005). The basic approach involves using a weighted Kolgomorov-Smirnov-like statistic to test whether genes from a specific gene set (e.g. a gene ontology category) are randomly distributed throughout a given ranked gene list (e.g. the genes analysed by an RNA-Seq experiment, ranked by significance of differential expression), although numerous other methods exist, most commonly using a hypergeometric approach (Huang, Sherman and Lempicki, 2009).

Enrichment analysis has become almost ubiquitous in high-throughput expression studies; however, several new methods are becoming popular for interrogating these datasets. Gene networks for instance are increasingly used to determine the genetic 'hubs' that regulate a process. These networks can be used to investigate the relationships between genes and ageing-related diseases (Wang *et al.*, 2009), the network topology features of ageing genes (Bell *et al.*, 2009) and co-expression differences typical of ageing (Southworth, Owen and Kim, 2009).

36 Conclusion

Expression analysis has long been a useful method to study the ageing process and longevity, and recent advances in transcriptomic technologies, particularly the advent of RNA-Seq, present exciting opportunities to examine the ageing transcriptome in detail. Longevity selection experiments, due to the unbiased approach to extending lifespan that they represent, are suited to RNA-Seq analysis since it not only allows confirmation of already known ageing mechanisms but is able to identify novel pathways and associations which may not be present in traditionally obtained longevity models.

Materials and Methods

37 Flies and Rearing Conditions

The offspring of the generation used for investigative lifespan 2 (Figure 9B) were reared for RNA-seq. Larval density was controlled, as per Chapter 3, Section 1.1 and 3-day old male flies were sorted into 20 vials at a density of 20 flies per vial per line. Flies were reared under standard conditions and tipped to fresh vials every 2 days under light CO_2 anaesthesia, with 10 vials per line being scored for deaths at these intervals. The remaining 10 vials were reared in the same way but were not scored. At 25 days old, these flies were removed with an aspirator, 24 hours after the previous change, and snap frozen in liquid nitrogen.

38 RNA Extraction, Cleaning and Quality Control

RNA was extracted from 20 male flies per sample, 5 samples per line, 1 line per treatment (C1 vs S1). The RNA was extracted using a spin column extraction kit (Norgen Total RNA Purification Kit, Cat#17200) and treated with DNase (Ambion Turbo^{TM} DNase, Cat#AM2238). The samples were then cleaned with a further spin column kit (Norgen RNA Cleanup and Concentration Kit, Cat#23600). This produced 70µl of concentrated sample, from which 10µl was taken for quality control, the remainder being immediately frozen at -80°C.

Samples were considered of sufficient quantity if the concentration was above 20ng/µl and of sufficient purity if the 260/280 and 260/230 ratios were at least 2.0 and 1.8 respectively. The accepted samples were sent to the Earlham Institute (Norwich, UK) for further quality control and RNA-Seq. Here they were quantified using a Qubit Fluorometer (Thermo Fisher Scientific) and the RNA integrity was assessed using a Bioanalyzer (Agilent). Drosophila RNA does not give a typical Bioanalyzer gel image since the 28S RNA subunit, important in determining the RNA Integrity Number (RIN) separates into two smaller subunits and co-migrates on the gel with the 18S RNA (Jordan, Jourdan and Jacq, 1976; Winnebeck, Millar and Warman, 2010). However, observing the gel can allow an interpretation of the RNA quality.

39 RNA-Seq

RNA-Seq was carried out by the Earlham Institute, Norwich. First libraries were prepared (Illumina TruSeq RNA library, Illumina), before being sequenced on an Illumina HiSeq2000 (Illumina). The raw read data were returned for processing.

40 Data Analysis

40.1 Quality Control and Alignment

Raw reads were assessed for quality using FastQC (Andrews, 2010) and low quality reads, along with adaptors, were trimmed using TrimGalore! (Krueger, 2015) a wrapper for Cutadapt (Martin, 2011) and FastQC. Trimmed reads were aligned to the *Drosophila* genome (release 6.12) using Tophat2 (Kim *et al.*, 2013), a splice aware aligner.

40.2 Read Counting and Calculation of Fold-Change

Raw reads were counted and normalised to RPKM (reads per kilobase million) for each gene, using the GFOLD counting method and *Drosophila* gene annotations downloaded from FlyBase (release 6.12), before an average was taken from the 5 technical replicates for each line. These averages were then used to calculate the generalised fold change of each gene using GFOLD (Feng *et al.*, 2012). This program uses a Bayesian approach to calculate a generalised fold-change measure for each gene based on the posterior distribution, by which the genes can be ranked and analysed. This method is appropriate for this experiment because it gives a reliable fold-change measure, even though only one biological replicate was tested for each selection regime.

40.3 Gene Ontology Enrichment Analysis

To determine the biological processes most represented in the selected flies, a GO enrichment approach was used, categorising genes by their biological process involvement (Ashburner *et al.*, 2000). Genes were ranked according to their absolute GFOLD score, i.e. their generalised $\log_2$(fold-change) in either direction. This ranked list was then tested using the Kolmogorov-Smirnov test to find GO categories enriched or depleted towards the top of the ranking. This analysis was carried out using the 'topGO' package in R (Alexa and Rahnenführer, 2016), with GO annotations being downloaded from Ensemble Biomart using the 'biomaRt' package (Durinck *et al.*, 2009). The tests were carried out using the *weight01* algorithm of 'topGO', which performs a weighted Kolmogorov-Smirnov test while eliminating already tested ontology terms from the analysis, thus accounting for the hierarchical structure of the GO. This method is stringent and does not require further multiplicity correction, with the resultant p-values having effectively undergone a Bonferroni correction (Alexa, Rahnenfuhrer and Lengauer, 2006).

Results

The final aim of the project, after selecting for longevity and determining the effects of that selection on various phenotypic measures, was to investigate the effects of longevity selection on the transcriptome of the selected *Drosophila*. To do this, the lifespan of the flies was measured once more at 25°C and simultaneously reared males from the S1 and C1 lines were collected for analysis by RNA-Seq.

41 Lifespan

To ensure that the S lines, particularly S1, were still longer-lived than the controls, lifespan for all four lines was measured at 25°C. On day 25, males from simultaneously raised siblings of the assayed flies were collected for RNA-Seq.

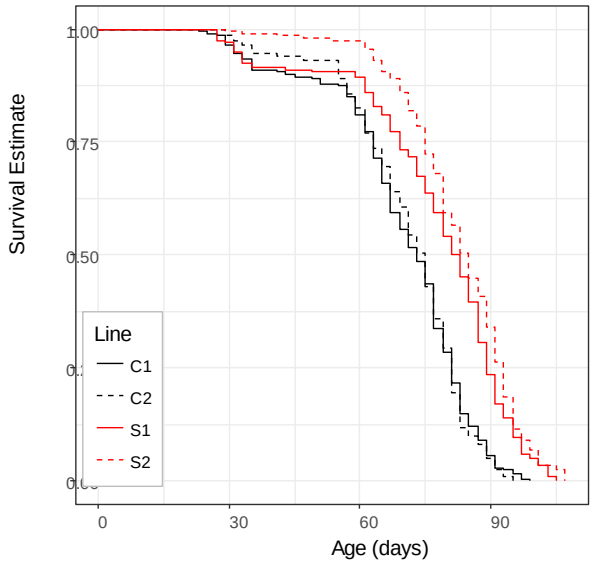

Figure 21. Lifespan of mated male Drosophila reared for use in RNA-Seq. Flies were collected for RNA extraction on day 25 from lines Control 1 and Selected 1. See Chapter 2 for detailed analysis of lifespan data.

The lifespans of both S1 and S2 was extended relative to the controls by 12% and 15% respectively, accompanied by a delay in the onset of ageing of 7% in S1 compared to C1. For a full analysis of these results, see Chapter 2, Section 10.6.

42 Alignment Mapping and Calculation of Fold-change

After the raw RNA-Seq reads were returned from the Earlham Institute, they were mapped to the *Drosophila* genome using TopHat2.

Sample	Input	Read Mapping Rate (%)	Concordant Pair Alignment Rate (%)
Control 1	21588922	90.2	83.5
Control 2	21990692	91	84.6
Control 3	20256454	90.5	84
Control 4	20739175	89.4	82.8
Control 5	20865207	89.9	83
Selected 1	20392646	89.2	82.3
Selected 2	15524421	89.8	82.7
Selected 3	20639396	90.4	84.2
Selected 4	21768589	90.7	84.5
Selected 5	22161224	89.8	83.5

Table 17. Successful alignment rates for each sample using TopHat2. 'Read Mapping Rate' indicates the percentage of reads successfully mapped to the genome, while the 'Concordant Pair Alignment Rate' indicates the percentage of mapped reads that were successfully paired with another mapped read.

Reads were successfully mapped to the *D. melanogaster* genome around 90% of the time (Table 17), with a successful alignment rate of at least 82% for all samples after combining the paired end reads for each gene. Total reads were high, nearing 20,000,000 for all samples except S1.2 which was noticeably lower.

These aligned reads were then counted and analysed using GFOLD, giving a generalised fold-change value for each gene. This score can be thought of as a reliable $\log_2$(fold-change), with a score of 0 indicating that there was no change in the gene between the selection regimes. Of the genes that showed a generalised fold-change, the distribution was roughly even between over- and underexpression (Table 18)

GFOLD	$x \leq -1$	$-1 < x < 0$	0	$0 < x < 1$	$1 \leq x$
Count	67	2635	12095	2553	91

Table 18. Distribution of genes according to direction of fold-change (FC). The GFOLD score is the generalised $\log_2$(FC).

43 Gene Ontology Analysis

To determine what effects the selection had on the transcriptome of the S1 line, the genes for which reads were successfully mapped and counted were then ranked by their GFOLD score. This ranked list was then tested for enrichment or depletion of biological process GO terms at the top of the list using the Kolgomorov-Smirnov test and the *weight01* algorithm of the R package 'topGO', this method uses a combined weighting and elimination approach to account for the GO hierarchy in its testing with results effectively having been subject to a Bonferroni correction for multiple testing (Alexa, Rahnenfuhrer and Lengauer, 2006).

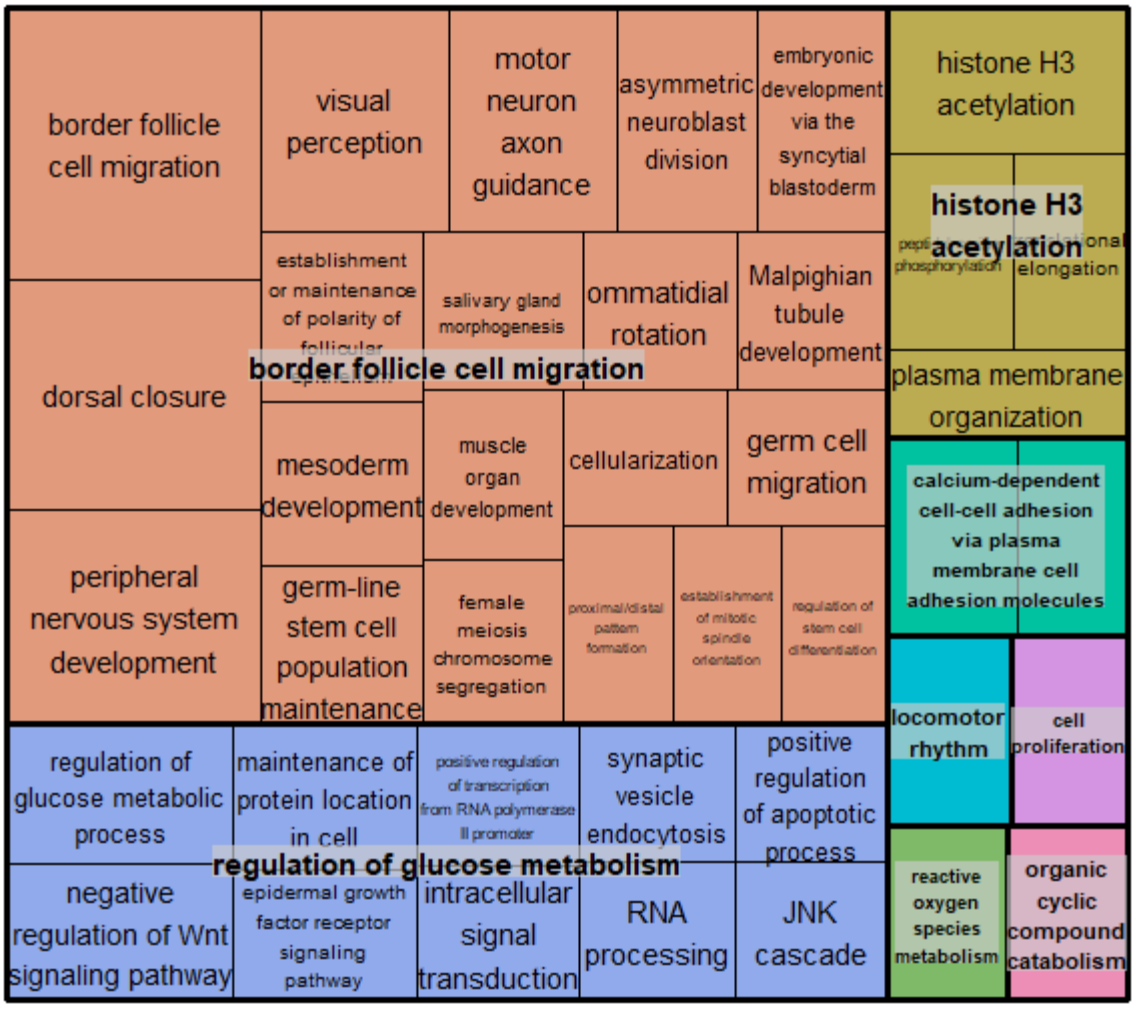

Figure 22. Summary of the most significant GO terms, either enriched or depleted towards the top of the list ($p < 0.01$). Each box represents a single GO term and is scaled according to the $\log_{10}$(p-value) of that GO term, with more significant terms having larger boxes. Figure made using REVIGO (Supek *et al.*, 2011).

The GO terms significantly enriched and depleted amongst the high fold-change genes were predominantly developmental categories, but also included epigenetic regulation, metabolism and stress response categories (Figure 22).

GO.ID	Term	Annotated	Significant	Expected	P
GO:0007298	Border follicle cell migration	45	25	16.15	2.20E-07
GO:0007391	Dorsal closure	44	19	15.79	2.40E-06
GO:0007422	Peripheral nervous system development	36	19	12.92	5.60E-06
GO:0007601	Visual perception	34	18	12.2	8.50E-05
GO:0048477	Oogenesis	222	89	79.69	0.00017
GO:0008045	Motor neuron axon guidance	28	11	10.05	0.00023
GO:0043966	Histone H3 acetylation	7	7	2.51	0.00042
GO:0055059	Asymmetric neuroblast division	18	11	6.46	0.00092
GO:0007411	Axon guidance	92	43	33.02	0.00111
GO:0030178	Negative regulation of Wnt signaling pathway	18	7	6.46	0.00113
GO:0001700	Embryonic development via the syncytial blastoderm	78	33	28	0.0016
GO:0016334	Establishment or maintenance of polarity of follicular epithelium	13	7	4.67	0.00216
GO:0007498	Mesoderm development	42	19	15.08	0.0026
GO:0007455	Eye-antennal disc morphogenesis	12	7	4.31	0.00261
GO:0032507	Maintenance of protein location in cell	11	8	3.95	0.00281
GO:0016339	Calcium-dependent cell-cell adhesion via plasma membrane cell adhesion molecules	11	7	3.95	0.00329
GO:0030718	Germ-line stem cell population maintenance	31	12	11.13	0.00337
GO:0007560	Imaginal disc morphogenesis	138	59	49.54	0.004
GO:0018105	Peptidyl-serine phosphorylation	20	11	7.18	0.00423
GO:0016318	Ommatidial rotation	15	8	5.38	0.0043

Table 19. Top 20 enriched gene ontology groups as tested by Kolgomorov-Smirnov.

In total 163 GO terms were determined to be enriched, while 43 GO terms were determined to be depleted amongst the high fold-change genes. The most significant of these categories were developmental categories

44 Candidate Genes

Gene	GFOLD
CG45072	-4.49
CR43808	-3.83
CR43453	-3.43
CG43680	-3.17
CR45496	-3.16
CR44539	-3.11
Ccp84Ac	-2.83
CR44615	-2.75
Ser6	-2.48
CG1304	-2.44
asRNA:CR45024	-2.34
CG43403	-2.038
CG14137	-1.998
CG43445	-1.99828
CG44355	-1.99828
CG15545	-1.99588
Kmn1	-1.93437
CG6283	-1.93369
Cpr76Bc	-1.87361
CR44333	-1.83715

Table 20. Twenty highest fold-change underexpressed genes. GFOLD is the generalised $\log_2$(fold-change).

Gene	GFOLD
CR43263	3.6085
CG42331	3.35294
CR13656	2.91558
MFS3	2.44326
CR45541	2.44203
CR45717	2.36933
CR44953	2.31461
CG15358	2.27158
ndl	2.01114
CR32553	2.01059
asRNA:CR43948	1.90453
CR44645	1.89651
CR44612	1.8957
CG34367	1.84155
CecA2	1.82131
CG43401	1.76679
CecB	1.72236
Jon99Fii	1.65046
CR45540	1.63729
CG44869	1.63449

Table 21. Twenty highest fold-change overexpressed genes. GFOLD is the generalised $\log_2$(fold-change).

Discussion

45 Data Quality and Variation

The data were of good quality, with only low stringency trimming required and a concordant pair alignment rate of at least 82% for all samples, meaning that the forwards and backwards reads could be matched to each other successfully (Table 17). The remaining unmapped reads may represent pathogens and microbes present in the sample organism and thus may have biological relevance (Usman *et al.*, 2017). The microbiome can have a large impact on ageing due to its role in preventing or accelerating disease, as well as signalling interactions between host and microbiome that can affect ageing pathways (Heintz and Mair, 2014), as such it would be interesting to further analyse these unmapped reads to identify possible commensal bacteria or ageing related viral infections.

There was an approximately even spread of over- and underexpressed genes across the genome (Table 18). This is interesting since historically most expression-based interventions and transgenics have relied on gene knockdowns to extend lifespan, yet it appears here that upregulated genes are at least equally represented in longevity phenotypes. This is to be expected, as the only other RNA-Seq experiment performed on longevity selected flies also found an even split in over- and underexpressed genes (Carnes *et al.*, 2015).

46 Long-lived Expression Profile

The purpose of this experiment was to contribute to understanding of the typical expression profile of long-lived organisms. This approach has proved fruitful in the past when comparing naturally long-lived animals to suitable controls for instance the Bowhead whale (Seim *et al.*, 2014) or naked mole rat (Yu *et al.*, 2011). The long-lived expression profile contains information about broad processes that are different in long-lived organisms, as such GO enrichment analysis was used to determine biological processes altered in the S1 flies.

46.1 Development

The most frequent and most significantly enriched or depleted GO categories were concerned with development. These categories include numerous terms concerned with reproduction and embryonic, particularly neuronal, development (Table 19). Such developmental categories are consistent with the literature on ageing and longevity. In accordance with the hyperfunction theory of ageing (Blagosklonny, 2012) it would be expected that long-lived *Drosophila* would exhibit

changes in developmental pathways, possibly a downregulation of overall development rate. This can be observed in other interventions extending lifespan, for instance *Drosophila* develop and age much more slowly at lower temperatures (Economos and Lints, 1984), while insulin mutants may also have associated growth defects such as the small size of male *chico* mutants (Clancy *et al.*, 2001).

Embryonic development genes were highly represented in the enrichment analysis (Table 19). In *Drosophila* IIS genes can be essential for successful embryonic development, for instance the insulin receptor homologue *InR* is required for nervous system, epidermis and cuticle development (Fernandez *et al.*, 1995) while several *Drosophila insulin-like peptides (Dilps*) are carefully co-ordinated throughout embryonic and larval development (Brogiolo *et al.*, 2001).

Besides IIS, other developmental pathways may be involved in ageing. Indeed, despite the core role of *mTOR* as a modulator of ageing according to the hyperfunction theory (Blagosklonny, 2013), it is plausible that modulation of TOR interacting, and perhaps even TOR independent pathways could produce the same effects. In this study, enrichment of both Wnt signalling genes (GO:0030178, GO:001605) and JNK cascade genes (GO:0007254, GO:0046328) was identified in the S1 line, both of which are important developmental pathways which can interact with the TOR pathway to extend lifespan (Inoki and Guan, 2006; Biteau *et al.*, 2011).

46.1.1 Wnt Signalling

Wnt proteins are secreted signalling glycoproteins, with a wide range of functions including embryonic and neuronal development in mammals (Inestrosa and Varela-Nallar, 2015) as well as *Drosophila* (Packard *et al.*, 2002; Chiang *et al.*, 2009). Wnt signalling interacts with other enriched GO categories, for instance graded Wnt signalling is crucial in ovarian follicle stem cell development, determining the anterior-posterior positioning of stem cells as well as whether they differentiate into follicle or escort cells (Reilein *et al.*, 2017).

Most relevant to ageing, Wnt signalling is mediated by the TOR pathway; the persistent expression of Wnt1 in mice leads to accelerated hair follicle growth followed by senescence and hair loss, a condition alleviated by rapamycin mediated mTOR inhibition (Castilho *et al.*, 2009). Wnt in turn can mediate the TOR pathway by the inhibition of glycogen synthase kinase 3 (GSK-3) resulting in TOR activation downstream (Katewa and Kapahi, 2011). TOR activation leads to increased pathology in a *Drosophila* models of neurodegenerative disease (Khurana *et al.*, 2006) while its inhibition by rapamycin or other means is well known to extend *Drosophila* lifespan (Kapahi *et al.*, 2004b; Bjedov *et al.*, 2010), a phenomenon conserved in mice (Harrison *et al.*, 2009; Wilkinson *et al.*, 2012).

The enrichment of genes involved in the negative regulation of Wnt (Table 19), coupled with the underexpression of *Wnt5* in the selected line could thus be a source of the lifespan extension, although this conclusion seems unlikely given the narrow margin by which these ontology groups were declared significant coupled with the low fold-change of *Wnt5* and the associated regulatory genes. Nonetheless, this hypothesis could be easily tested in a crossed factorial experiment, treating both the control and selected flies with rapamycin. If rapamycin extended lifespan in the controls but did not, or did to a lesser extent, in the selected flies it would suggest that the TOR pathway was at least partially responsible for the longer life of the selected flies. A success in this experiment could then be followed up with a transgenic study to establish if Wnt signalling was responsible for the TOR modulation, for instance by crossing Wnt knockouts or dominant negative mutations into the selected lines.

46.1.2 JNK Cascade

The JNK (c-Jun NH_2-terminal kinase) cascade is another pathway closely related to ageing and stress responses. JNKs are a family of stress activated kinases responsible for mediating aspects of the stress response and apoptosis (Davis, 2000). The JNK pathway, as with Wnt, interacts with FOXO to modulate lifespan.

By the activation of *dfoxo*, the JNK cascade can extend lifespan by modulating apoptosis, autophagy, cytoprotective mechanisms, metabolism and cellular proliferation, regeneration and repair (Biteau *et al.*, 2011). In addition to its effects on *dfoxo*, JNK interacts with immune and developmental pathways (Sluss *et al.*, 1996), processes which were enriched in this analysis for instance dorsal closure (GO:0007391), response to toxic substance (GO:0009636) and response to virus (GO:0098586).

These interactions with the immune system are interesting from an ageing perspective as immune overexpression is associated with ageing in flies (Pletcher *et al.*, 2002), humans, mice and rats (de Magalhães, Curado and Church, 2009). In *Drosophila* the JNK cascade is a branch of the Imd innate immune response, possibly regulating wound healing and melanisation (Tanji and Ip, 2005). The Imd pathway combats gram-negative infection (Hoffmann, 2003) by triggering the production of antimicrobial peptides, but it also appears to mediate apoptosis, even when the reason for apoptosis is not bacterial infection (Georgel *et al.*, 2001). Furthermore, the Imd pathway is mediated by *dorsal*, which also mediates the other branch of the *Drosophila* immune response, the Toll pathway, in addition to its developmental roles (Myllymäki, Valanne and Rämet, 2014).

Given that reactive oxygen species metabolism (GO:0072593) was also enriched, these results suggest that JNK mediated stress resistance may have been altered by the selection regime. ROS metabolism is central to several theories of ageing, especially the damage accumulation theories, although developmental theories also attempt to explain the well-studied increase in ROS-mediated damage with age (Finkel and Holbrook, 2000). Activating JNK signalling in *Drosophila* leads to extended lifespan and resistance to oxidative stress (Wang, Bohmann and Jasper, 2003), an effect also seen in worms (Oh *et al.*, 2005). This lifespan extension has been shown to be *dfoxo* dependent in addition to JNK activation compounding the effects of *dfoxo* overexpression (Wang, Bohmann and Jasper, 2005). Further, downstream effects of JNK and FOXO have been determined to extend lifespan and increase oxidative stress resistance when targeted. Overexpression of *jafrac1*, a *Drosophila* homologue of human *Peroxiredoxin II* and downstream effector of JNK/FOXO, extends lifespan and increases paraquat resistance (Lee *et al.*, 2009). Likewise, genes that facilitate cross-talk between JNK and IIS is a possible intervention, for instance overexpression of the adaptor protein SHC-1 that co-ordinates the stress response in *C. elegans* can extend lifespan by simultaneously suppressing IIS while activating JNK (Neumann-Haefelin *et al.*, 2008).

46.2 Metabolism

Several GO categories concerning metabolism were enriched (GO:0010906 - regulation of glucose metabolism, GO:0006536 – glutamate metabolic process, GO:0016125 – sterol metabolic process, GO:0006767 - water soluble vitamin metabolic process). This is unsurprising since lifespan, development and metabolism are so interlinked. Numerous lifespan mechanisms involve manipulating the metabolism in some way, for instance dietary restriction can slow metabolic rate (Heilbronn *et al.*, 2006) as can resveratrol treatment (Timmers *et al.*, 2011).

The metabolism changes substantially with age in humans, with age being a major risk factor in the development of metabolic syndrome, a collection of pathologies including type 2 diabetes, obesity, cardiovascular disease, impaired glucose tolerance, dyslipidaemia, hypertension and insulin resistance (Bonomini, Rodella and Rezzani, 2015). In flies, metabolic rate does not change with age for most species (Promislow and Haselkorn, 2002) however they remain a powerful model for the study of metabolic regulatory mechanisms of which many are conserved (Baker and Thummel, 2007).

As already touched upon, the IIS pathway is a highly conserved metabolic pathway the manipulation of which can extend lifespan in yeast, flies, mice and humans (Tatar, Bartke and Antebi, 2003). While no specific insulin signalling terms were enriched or depleted amongst the highly ranked genes, several terms involved in regulation of glucose metabolism were altered (Figure 22). Glucose

metabolism is inclusive of IIS, but also interacts with other pathways connected with ageing and ageing-related morbidity such as lipid metabolism (Birse *et al.*, 2010).

46.3 Olfaction

One potentially interesting result was the enrichment of olfactory learning genes (Appendix 3) (GO:0008355 – olfactory learning). Olfactory learning is closely associated with ageing, in mice olfactory discrimination declines with age (Enwere *et al.*, 2004) and likewise in humans (Murphy *et al.*, 2002). Numerous neurodegenerative diseases are also associated with olfaction and olfactory learning, for example a meta-analysis has shown that Alzheimer's and Parkinson's disease patients show a severe reduction in olfactory function (Mesholam *et al.*, 1998). In *Drosophila* lifespan can be modulated by olfactory genes, for instance mutants for the odorant receptor *Or83b* are long-lived and resistant to various stresses (Libert *et al.*, 2007). Interestingly this lifespan extension appeared to be at least partially independent of dietary conditions, as although the lifespan extension was greater when the flies were fed a nutrient dense medium, there was also highly significant lifespan extension under DR conditions.

47 Epigenetics

One of the most significantly altered GO categories was histone H3 acetylation (Figure 21), a process intrinsic to epigenetic regulation by modulation of the transcriptional competence of the genome (Eberharter and Becker, 2002). Histone acetylation is involved in several ageing related pathologies, with alterations and dysregulation being associated with cognitive decline in mice (Peleg *et al.*, 2010), Alzheimer's like pathology in a mouse model (Francis *et al.*, 2009). In humans histone acetylation changes markedly with age between monozygotic twins, potentially explaining some of the variation in lifespan between otherwise genetically identical people (Fraga *et al.*, 2005).

A further link between ageing and histone acetylation is in the sirtuin family of proteins. Sirtuins are deacetylases, several of which have been shown to modulate lifespan. SIRT6, a histone H3 deacetylase that regulates telomere maintenance (Michishita *et al.*, 2008) has been shown to modulate male lifespan in mice (Kanfi *et al.*, 2012), while SIRT2 has been shown to extend lifespan in model organisms (Tissenbaum and Guarente, 2001; Hoffmann *et al.*, 2013) however such results are controversial (Burnett *et al.*, 2011).

The highest fold-change genes in both directions included numerous ncRNAs. It is likely that transcriptional regulation plays a large part in *Drosophila* ageing. In a comparison between long-lived *Drosophila* fed a low-nutrient diet and control flies fed high-nutrient diet four miRNAs were identified as candidates for lifespan modulation, *miR-184*, *let-7*, *miR-125*, and *miR-100* (Gendron and

Pletcher, 2017). Of these, overexpression in the neurons of *let-7* was shown to extend lifespan in females by 22% without affecting feeding behaviour and apparently not altering insulin signalling pathway expression. Two of these genes, *let-7* and *miR-125*, have also been shown to affect brain ageing, with inhibition of these genes leading to neurodegeneration and reduced lifespan (Chawla *et al.*, 2016). Another miRNA that can modulate lifespan is *miR-305* which regulates homeostasis in intestinal stem cells via modulation of the insulin and Notch pathways (Foronda *et al.*, 2014). Underexpression of *miR-305* slightly extends lifespan while its ubiquitous overexpression dramatically reduces lifespan, accompanied by protection and deterioration of locomotor activity respectively (Ueda *et al.*, 2018).

Specific ncRNAs highlighted in this experiment may be possible targets for transgenic intervention to extend lifespan. Many of them are poorly annotated, however inferences can be made from what little literature is available. CR43263 for instance, the most highly overexpressed gene in the selected line, has been identified as underexpressed in *Drosophila* selected for dichlorodiphenyltrichloroethane (DDT) resistance (Seong *et al.*, 2017). This study also identified CR43263 as having been putatively subject to a selective sweep in response to selection for DDT resistance, suggesting that it may be particularly susceptible to fixation which could explain the very high differential expression seen in our experiment.

The most highly underexpressed gene is also a ncRNA, *CR43808*. It has been identified as underexpressed in *Drosophila* selected for cold resistance (MacMillan *et al.*, 2016), interesting given that pre-treatment with cold stress can extend lifespan in both male and female *Drosophila* (Le Bourg, 2007) although selection for cold shock resistance does not extend lifespan (Bubliy and Loeschcke, 2005). *CR43453* was also highly underexpressed in the selected flies which is potentially of interest as a genome-wide association study identified SNPs in the gene as being associated with late-life fecundity (Durham *et al.*, 2014). Changes in fecundity, and reproductive pathways, are often correlated with long-life for instance selection on late-life fecundity extends lifespan (Rose, 1984; Luckinbill and Clare, 1985; Partridge and Fowler, 1992) and in some wild populations a tradeoff between lifespan and fecundity can be seen (Norry *et al.*, 2006).

48 Genes of Interest

To determine if previously known genes of interest in ageing research tended to be differentially expressed in this analysis, the results were compared to the list of *Drosophila* lifespan modulating genes from the GenAge database (de Magalhães and Toussaint, 2004). Only *takeout* (*to*) stood out, being the only gene found in GenAge that was differentially expressed more than 2-fold in this study,

however other genes could also be interesting such as *Gnmt*, a pro-longevity gene which was overexpressed in this study in addition to numerous heat shock genes.

48.1 Metabolism and Olfaction Genes

Takeout (*to*), which was overexpressed ~3-fold in this study (Appendix 1), is a longevity promoting gene present in GenAge. *To* mutants show unusual feeding patterns, eating considerably more than wild-types under normal conditions, but then not adjusting food intake after periods of starvation. This is likely caused by a decreased ability of the gustatory system to modulate taste in the absence of *to* (Meunier, Belgacem and Martin, 2007). Unsurprisingly, this increased feeding in *to* mutants leads to a higher food intake compared to wild-types, showing that the flies are not simply eating smaller amounts more frequently, but eating more food overall (Wong *et al.*, 2009). Overexpressing *to* leads to lifespan extension (Bauer *et al.*, 2010), and give its mutant phenotype it seems logical to predict that this lifespan extension is due to an altered feeding pattern. However, it has been shown that *Drosophlia* overexpressing *to* do not have a reduced feeding intake, have no major metabolic differences and that the pathways modulated by *to* may be mostly different from those modulated by DR (Chamseddin *et al.*, 2012). Interestingly, this same study showed that the long-lived *to* overexpressing flies were not resistant to either starvation or oxidative stress.

Gnmt (glycine N-methyl transferase) is a regulator of S-adenosyl-methionine metabolism, the overexpression of which buffers cellular S-adenosyl-methionine levels, mimicking the effect of a methionine restricted diet which can extend lifespan in mice (Orentreich *et al.*, 1993) and flies (Lee *et al.*, 2014). Overexpression of *Gnmt* extends lifespan in *Drosophila*, and additionally *Gnmt* is one of the genes induced by *dFOXO* (Obata and Miura, 2015) suggesting that *Gnmt* can act downstream of dietary restriction, TOR or IIS inhibition to extend lifespan. It is also interesting that a gene specific to the metabolism of a single amino acid can have such effects. Dietary restriction induced lifespan extension can be effected by the reduction of specific amino acids (Min and Tatar, 2006), while it appears that sufficient amino acid imbalance can extend lifespan in *Drosophila* at a cost to fecundity (Grandison, Piper and Partridge, 2009). This last study is particularly interesting in the context of *Gnmt* because they showed that returning methionine to an amino acid restricted diet could return fecundity back to regular levels, without affecting the lifespan extension effect of dietary restriction. Isolating amino acid metabolism pathways is thus a promising avenue of research, as it may be possible to develop interventions which affect amino acid metabolism to delay ageing and its associated morbidities (Gallinetti, Harputlugil and Mitchell, 2013).

Finally, pickpocket 10 (*ppk10*) (overexpressed 2.1-fold) is a member of the pickpocket family of sodium channels. This family has functions in olfaction, taste perception and courtship behaviour,

while *ppk10* itself has been identified as one of many genes responsible for variation in olfactory behaviour (Arya *et al.*, 2015). Supporting this, there is evidence that *ppk10* may influence the perception of salt, in collaboration with other members of the pickpocket family (Liu *et al.*, 2003). Also highly overexpressed was CG43401 (overexpressed 3.5-fold), a protein-coding gene for which a SNP has been identified that associated with the olfactory response to 2-phenyl ethyl alcohol (Arya *et al.*, 2015).

48.2 Heat Stress Resistance Genes

A final interesting overlap with GenAge was the slight overexpression of numerous heat shock proteins. These were *Hsp70Ba* (1.5-fold increase), *Hsp22* (1.3-fold increase) and *Hsc70-3* (1.2-fold increase). While the increase in expression of these genes was small, it is possible that together they contributed to the lifespan extension of the S1 line. *Hsp70Ba* and *Hsp22* have both been shown to modulate lifespan although the results of various studies have been conflicting. Both genes were overexpressed by long-lived isogenic lines (Zhao *et al.*, 2005) while epigenetic overexpression of *Hsp22* via overexpression of the histone deacetylase Trichostatin A, in addition to direct overexpression of *Hsp22* targeted to motor neurons has been shown to extend lifespan and increase resistance to oxidative stress (MORROW *et al.*, 2004; Tao *et al.*, 2004). Conversely, expression of both *Hsp70Ba* and *Hsp22* is predictive of remaining lifespan in flies under normal culture conditions as well as under oxidative and heat stress (Yang and Tower, 2009), however this could be due to an increased induction of stress responses prior to death, or as argued in the study, the observed increase in heat shock proteins in long-lived lines such as the UC Irvine selection lines (Kurapati *et al.*, 2000), could be due to both an enhanced stress response coupled with an increased ability to regulate the heat stress response appropriately.

There have been numerous overexpression experiments of Hsp70 in Drosophila. Constitutive expression in larvae has been shown to be deleterious, causing slowed development and increased mortality (Krebs and Feder, 1997). This is suggestive of commonly seen tradeoffs between longevity, growth and development, it is possible that high stress response expression is overly costly when an organism is undergoing developmental changes. Indeed, overexpression of Hsp70 leads to a large increase in metabolic rate, as much as 35%, creating a clear tradeoff between utility and cost (McAnally *et al.*, 2010). While extension of lifespan associated with Hsp70 expression has appeared largely incidental in Drosophila, treatment of mice with exogenous recombinant human Hsp70 led to lifespan extension and improved cognitive function with age (Bobkova *et al.*, 2015).

Aside from heat stress resistance, Hsp70s are involved in other stress responses, for instance hypoxia. Like oxidative stress, hypoxia is associated with ageing, with the amount of O_2 made

available to tissues declining with age (Valli, Harris and Kessler, 2015). Overexpressing Hsp70 in the heart can vastly increase Drosophila resistance to low oxygen environments (Azad *et al.*, 2009). Another gene identified in this cluster, monopolar spindle 1 (Mps1) is also involved in the hypoxia response. Mps1 helps regulate the mitotic spindle checkpoint, arresting mitosis until the chromosomes have successfully attached to the spindle prior to separation. It appears this step also has a stress response function as well, preventing mitosis in the event of hypoxia and thus preventing against hypoxia induced DNA damage (Fischer *et al.*, 2004).

Finally, *Hsc70-3* is interesting because although it was only overexpressed slightly in the S1 line (1.2-fold) this gene has been shown to extend female *Drosophila* lifespan when overexpressed in the neurons (Simonsen *et al.*, 2008).

49 Conclusion

The results of the RNA-Seq analysis demonstrate that the longevity phenotype of S1 is accompanied by alterations in the transcription of genes involved in development, stress responses and metabolism, all of which have been identified in RNA-Seq on other longevity selected lines (Carnes *et al.*, 2015). To what extent each of these processes was involved however is still not clear, it is possible that some or all of these transcription changes occurred due to drift, rather than as a result of selection, and likewise it is possible that they are unrelated to the longevity phenotype. Despite these limitations, these data are a valuable proof of principle and establish the selection lines as a resource on which more detailed study could be carried out in the future, as well as demonstrating the continued relevance of experimental evolution experiments when combined with modern sequencing techniques.

Chapter 5 – Conclusions

50 Recap of Project

The aims of this project were:

1. The generation, by artificial selection, of long-lived *Drosophila melanogaster*.
2. Phenotypic comparison of the selected flies to the controls, with a view to identifying correlated responses to selection that may be related to the longevity phenotype.
3. Transcriptomic comparison of the selected flies to the controls to identify possible targets for future investigation.

Each of these was achieved to some extent. Four selection lines were generated, two control lines (C1 and C2) and two longevity selected lines (S1 and S2). Of these, S1 displayed a consistently longer lifespan than C1 and C2, while S2 was consistently longer lived when tested at 25°C, although it was less consistent when measured at 27°C. These lines were then phenotypically evaluated, measuring numerous characteristics that could be involved in longevity, or which may reasonably be expected to change in response to longevity selection. Although very few of these characteristics showed any change in the S lines, there were observed changes in survival curves under stressful conditions, particularly starvation, desiccation and heat stress, suggesting a possible modulation of stress responses in the S lines could be responsible for the lifespan extension. Finally, the C1 and S1 lines were compared by RNA-Seq, revealing changes in ageing-related processes such as WNT and JNK signalling, as well as several reproductive and developmental processes.

51 Limitations

The largest limitation of this experiment is that due to funding constraints it was only possible to perform RNA-Seq on two of the four selection lines, making it impossible to account for genetic drift. It was decided to run 5 replicates of each sample and only cover one line from each regime, rather than the alternative which would be to run 2 replicates from each of the four lines. This decision was made because we considered 2 replicates per line to be of insufficient power, while any more than 5 replicates would not increase power enough at 20million reads to justify the added expense (Liu, Zhou and White, 2014). Data does not exist to estimate the magnitude of transcriptional changes due to drift in a selection regime such as this, however it might be reasonable to assume that

transcriptional changes due to drift might be buffered somewhat when compared with genomic changes. Likewise, despite the small scale of this experiment it is likely that there is still a high degree of variation in the lines, even in long-term selection experiments with hundreds of generations a large degree of heterozygosity has been observed (Graves *et al.*, 2017). Because of this limitation, the RNA-Seq should be considered a pilot experiment and thus the most obvious development on this work would be to repeat the RNA-Seq on all four selection lines after they have been subjected to at least two more generations of selection after their relaxation since the end of the experiment.

Another major improvement would be to repeat the selection from scratch, creating at least 5 lines of each selection regime. This would greatly increase the interpretability of the experiment, making it clearer which phenotypic responses were due to drift and which were true correlated responses. Repeating the experiment with more selection lines would also reduce the risk of non-responding selection lines confounding the results as was reported here, with the sporadic response of S2. Finally, it would feed into the RNA-Seq, giving a superior indication of the effect of drift on expression differences. The downside of a repeat experiment is that it would be labour intensive, expensive and time consuming, however, the potential benefits and the potential for use in other high throughput technologies, for instance metabolomics and proteomics, might validate the cost.

A more focused phenotypic analysis would be beneficial as it would allow more rigorous and higher sample size experiments. It is difficult to prioritise which phenotypes should be tested, especially since they must all be carried out within a close timeframe to be comparable. Based on the results presented here, the most important phenotypes to test in future would be the various stress resistances and corroborating molecular measures. Glycogen content could also be studied to corroborate the desiccation resistances in the same way that lipid content is able to inform starvation resistance analysis (Graves *et al.*, 1992). Although very few differences were detected in life history traits it would still be worth measuring fecundity, including lifetime fecundity, to confirm the effectiveness of the familial selection regime.

52 Developmental Changes in Long-lived *Drosophila*

An unusual result from this project is that while there was no difference between the lines in terms of developmental characteristics such as body weight, development time and viability, there were numerous developmental GO categories enriched at the top of the ranked gene list generated by the RNA-Seq (Figure 22) suggesting that developmental processes were altered in the S1 line relative to C1. One explanation for this could be that the developmental characteristics affected by these

expression changes were simply not measured, for instance they could have affected late life fecundity, whereas only early fecundity was measured.

Another possibility is that the expression changes in developmental categories did not meaningfully impact on normal developmental processes. This has been observed before in longevity selection experiments, for instance the UCL lines (Partridge, Prowse and Pignatelli, 1999) saw no changes in fecundity despite being selected by the delayed reproduction method. It is likely also that the timing of developmental gene expression is important with regards to ageing. It may be the case that were the C1 and S1 lines to be compared by RNA-Seq during larval development or young adulthood, these expression differences would disappear. Such a result would be in accordance with the various developmental run-on theories of ageing, as normal development does not appear to contribute to ageing, but rather the continuance of developmental programs past their usefulness as in the case of egg production in *C. elegans* for instance (de la Guardia *et al.*, 2016). This theory could be tested by running a time-course RNA-Seq experiment on the selection lines, with time points at each developmental stage, for instance larvae, young adult, adult and old.

53 Involvement of Stress Responses in Longevity

There was a clear alteration in stress responses in the S lines, with desiccation, starvation and heat stress affected to various degrees. Due to the loss of the desiccation resistance phenotype by generation 5 (Appendix 1) it is unlikely that desiccation resistance mechanisms contributed to the longevity phenotype, however the alterations in heat and starvation stress resistance were reasonably consistent across the generations making these more likely contributors.

The reduction in heat stress resistance in the S1 line (Figure 16) was not accompanied by enrichment of heat stress related genes in the RNA-Seq analysis (Appendix 3), however there were numerous heat shock proteins with altered expression (Appendix 2). Additionally, JNK signalling is required for the heat stress response in *Drosophila* (Gonda, Garlena and Stronach, 2012), and numerous JNK cascade or JNK related categories were enriched, providing a potential explanation for the observed heat sensitive phenotype. It is possible that modulation of the JNK pathway in the S1 line was at least partially responsible for the lifespan extension but at the cost of hindering the heat stress response downstream of JNK.

The starvation resistance of the S1 line was likewise unaccompanied by obvious GO category enrichments. Again, this phenotype could be related to alterations in the JNK cascade; JNK inhibits insulin-like signalling (Karpac and Jasper, 2009) which in turn can cause both starvation resistance and heat stress susceptibility (Broughton *et al.*, 2005), matching the phenotype observed here.

Although these data suggest that the longevity of the S1 line is due to altered JNK signalling, there is conflicting evidence as well. There was no change in oxidative stress resistance, or carbonyl accumulation in the S lines (Figure 19Figure 20). Increased activity of the JNK cascade has been shown to increase oxidative stress resistance in *Drosophila* in addition to its lifespan extending effects (Wang, Bohmann and Jasper, 2003) and so lifespan extending JNK modulation in the S1 line might have also been expected to increase oxidative stress resistance and reduce carbonyl accumulation. That said, it is possible that the fold-change observed in this study is sufficient to promote longevity, but insufficient to increase the oxidative stress response. Furthermore, oxidative stress resistance is not an inevitable correlation with longevity, for instance naked mole rats do not show improved oxidative stress resistance relative to mice (Andziak *et al.*, 2006).

54 Future Work

Perhaps the main goal of this project was the generation of long-lived *Drosophila* which could become a resource for further study. The selection lines produced offer a wide range of possibilities for future work, the most obvious being continued investigation into the mechanism behind the lifespan extension observed in S1 and to a less consistent extent in S2. As previously stated, a time-course RNA-Seq experiment including all four lines could provide valuable insight into the modulation of developmental pathways observed in this study, with any early-life developmental changes being of interest as these might be able to explain the longevity phenotype in terms of hyperfunction.

A complementary metabolomics study to any future RNA-Seq data could provide valuable information on the downstream effects of the observed expression changes. A metabolomics study on the Aarhus selection strains yielded interesting results, suggesting that their long-lived lines did not retain a young metabolic profile, as they did with expression, but rather young long-lived flies had some metabolic similarities to old control flies (Sarup *et al.*, 2012).

Studying the effect of other lifespan extending interventions on the selection lines could also be interesting, for instance by subjecting them to dietary restriction or rapamycin treatment. Such crossed-factorial experiments can be used to identify the degree of lifespan extension caused by currently understood mechanisms, as was carried out to determine the overlap between the IIS based lifespan extension and dietary restriction in *chico* mutant *Drosophila* (Clancy *et al.*, 2002).

Furthermore, the dependence on known genetic mechanisms of ageing to achieve the longevity phenotype in the S lines could be determined by crossing them with transgenic flies possessing

knockouts for such genes of interest. For instance, crossing the selection lines with *chico* knockouts could help determine if the IIS pathway was involved in the longevity phenotype

55 Conclusion

Overall, the project had mixed results. The selection was moderately successful, producing one line with a consistent longevity phenotype, and one line that appeared to have extended longevity when measured at 25°C. Although several of the phenotypes measured yielded negative results, this in itself is interesting. The lack of change in the development phenotype between the regimes, coupled with the large number of developmental genes that had altered expression, suggests a complex relationship between development and ageing whereby shared genetic pathways can influence one but not the other.

The core goal of selecting long-lived lines was successful and has provided a resource that can potentially be studied further to help identify more specific genetic changes associated with longevity, and perhaps even potential targets for intervention to modulate the ageing process. Further, this study has successfully replicated the methods of Zwaan, *et al.* (1995), and provided proof of principle that this selection method can work on recently wild-caught flies and achieve lifespan extension over a reasonably short number of generations.

Bibliography

Adams, M. D. *et al.* (2000) 'The Genome Sequence of Drosophila melanogaster', *Science*, 287(5461).

Alexa, A. and Rahnenführer, J. (2016) 'Gene set enrichment analysis with topGO', *R package version 2.30.0.*

Alexa, A., Rahnenfuhrer, J. and Lengauer, T. (2006) 'Improved scoring of functional groups from gene expression data by decorrelating GO graph structure', *Bioinformatics*. Oxford University Press, 22(13), pp. 1600–1607. doi: 10.1093/bioinformatics/btl140.

Andrews, S. (2010) 'FastQC: a quality control tool for high throughput sequence data'.

Andziak, B. *et al.* (2006) 'High oxidative damage levels in the longest-living rodent, the naked mole-rat', *Aging Cell*. Wiley/Blackwell (10.1111), 5(6), pp. 463–471. doi: 10.1111/j.1474-9726.2006.00237.x.

Anisimov, V. N. *et al.* (2011) 'Rapamycin increases lifespan and inhibits spontaneous tumorigenesis in inbred female mice', *Cell Cycle*. Taylor & Francis, 10(24), pp. 4230–4236. doi: 10.4161/cc.10.24.18486.

Arking, R. *et al.* (2000) 'Forward and reverse selection for longevity in Drosophila is characterized by alteration of antioxidant gene expression and oxidative damage patterns.', *Experimental gerontology*, 35(2), pp. 167–85.

Arking, R. and Buck, S. (1995) 'Selection for increased longevity in Drosophila melanogaster: a reply to Lints.', *Gerontology*, 41(2), pp. 69–76.

Arking, R., Dudas, S. P. and Baker, G. T. (1993) 'Genetic and environmental factors regulating the expression of an extended longevity phenotype in a long lived strain of Drosophila', *Genetica*. Kluwer Academic Publishers, 91(1–3), pp. 127–142. doi: 10.1007/BF01435993.

Arya, G. H. *et al.* (2015) 'The Genetic Basis for Variation in Olfactory Behavior in Drosophila melanogaster', *Chemical Senses*. Longmans Green, Harlow, Essex (UK), 40(4), pp. 233–243. doi: 10.1093/chemse/bjv001.

Ashburner, M. (1989) *Drosophila: A Laboratory Handbook*, *Plainview NY Cold Spring Harbor Laboratory Press*. doi: 10.1007/SpringerReference_95313.

Ashburner, M. *et al.* (2000) 'Gene ontology: tool for the unification of biology. The Gene Ontology

Consortium.', *Nature genetics*. NIH Public Access, 25(1), pp. 25–9. doi: 10.1038/75556.

Attrill, H. *et al.* (2016) 'FlyBase: establishing a Gene Group resource for *Drosophila melanogaster*', *Nucleic Acids Research*. Oxford University Press, 44(D1), pp. D786–D792. doi: 10.1093/nar/gkv1046.

Azad, P. *et al.* (2009) 'Distinct Mechanisms Underlying Tolerance to Intermittent and Constant Hypoxia in Drosophila melanogaster', *PLoS ONE*. Edited by P. H. Reitsma. Public Library of Science, 4(4), p. e5371. doi: 10.1371/journal.pone.0005371.

Baker, K. D. and Thummel, C. S. (2007) 'Diabetic Larvae and Obese Flies—Emerging Studies of Metabolism in Drosophila', *Cell Metabolism*. Cell Press, 6(4), pp. 257–266. doi: 10.1016/J.CMET.2007.09.002.

Ball, Z. B., Barnes, R. H. and Visscher, M. B. (1947) 'The effects of dietary caloric restriction on maturity and senescence, with particular reference to fertility and longevity.', *The American journal of physiology*, 150(3), pp. 511–9.

Ballard, J. W. O. and Melvin, R. G. (2007) 'Tetracycline treatment influences mitochondrial metabolism and mtDNA density two generations after treatment in Drosophila', *Insect Molecular Biology*, 16(6), pp. 799–802. doi: 10.1111/j.1365-2583.2007.00760.x.

Ballard, J. W. O., Melvin, R. G. and Simpson, S. J. (2008) 'Starvation resistance is positively correlated with body lipid proportion in five wild caught Drosophila simulans populations', *Journal of Insect Physiology*. Pergamon, 54(9), pp. 1371–1376. doi: 10.1016/J.JINSPHYS.2008.07.009.

Baret, P. and Lints, F. A. (1993) 'Selection for increased longevity in Drosophila melanogaster: a new interpretation.', *Gerontology*, 39(5), pp. 252–9.

Bates, D. *et al.* (2015) 'Fitting Linear Mixed-Effects Models Using lme4', *Journal of Statistical Software*, 67(1), pp. 1–48. doi: 10.18637/jss.v067.i01.

Bauer, J. *et al.* (2010) 'Comparative transcriptional profiling identifies takeout as a gene that regulates life span.', *Aging*. Impact Journals, LLC, 2(5), pp. 298–310. doi: 10.18632/aging.100146.

Bell, R. *et al.* (2009) 'A Human Protein Interaction Network Shows Conservation of Aging Processes between Human and Invertebrate Species', *PLoS Genetics*. Edited by S. K. Kim. Public Library of Science, 5(3), p. e1000414. doi: 10.1371/journal.pgen.1000414.

Bello, B., Resendez-Perez, D. and Gehring, W. J. (1998) 'Spatial and temporal targeting of gene expression in Drosophila by means of a tetracycline-dependent transactivator system.', *Development (Cambridge, England)*, 125(12), pp. 2193–202.

Beltran Valls, M. R. *et al.* (2015) 'Protein carbonylation and heat shock proteins in human skeletal muscle: relationships to age and sarcopenia.', *The journals of gerontology. Series A, Biological sciences and medical sciences*. Oxford University Press, 70(2), pp. 174–81. doi: 10.1093/gerona/glu007.

Benedetti, M. G. *et al.* (2008) 'Compounds that confer thermal stress resistance and extended lifespan', *Experimental Gerontology*. Pergamon, 43(10), pp. 882–891. doi: 10.1016/J.EXGER.2008.08.049.

Bettencourt, B. R. *et al.* (2002) 'Response to natural and laboratory selection at the Drosophila hsp70 genes.', *Evolution; international journal of organic evolution*, 56(9), pp. 1796–1801. doi: 10.1111/j.0014-3820.2002.tb00193.x.

Birkenfeld, A. L. *et al.* (2011) 'Deletion of the Mammalian INDY Homolog Mimics Aspects of Dietary Restriction and Protects against Adiposity and Insulin Resistance in Mice', *Cell Metabolism*. Cell Press, 14(2), pp. 184–195. doi: 10.1016/J.CMET.2011.06.009.

Birse, R. T. *et al.* (2010) 'High-Fat-Diet-Induced Obesity and Heart Dysfunction Are Regulated by the TOR Pathway in Drosophila', *Cell Metabolism*. Cell Press, 12(5), pp. 533–544. doi: 10.1016/J.CMET.2010.09.014.

Biteau, B. *et al.* (2011) 'Regulation of Drosophila lifespan by JNK signaling', *Experimental Gerontology*. Pergamon, 46(5), pp. 349–354. doi: 10.1016/J.EXGER.2010.11.003.

Bjedov, I. *et al.* (2010) 'Mechanisms of Life Span Extension by Rapamycin in the Fruit Fly Drosophila melanogaster', *Cell Metabolism*. Cell Press, 11(1), pp. 35–46. doi: 10.1016/J.CMET.2009.11.010.

Blagosklonny, M. V (2010) 'Increasing healthy lifespan by suppressing aging in our lifetime: Preliminary proposal', *Cell Cycle*. Taylor & Francis, 9(24), pp. 4788–4794. doi: 10.4161/cc.9.24.14360.

Blagosklonny, M. V (2012) 'Answering the ultimate question "what is the proximal cause of aging?".', *Aging*. Impact Journals, LLC, 4(12), pp. 861–77. doi: 10.18632/aging.100525.

Blagosklonny, M. V (2013) 'M(o)TOR of aging: MTOR as a universal molecular hypothalamus.', *Aging*. Impact Journals, LLC, 5(7), pp. 490–4. doi: 10.18632/aging.100580.

Bloom, D. E. *et al.* (2015) 'Macroeconomic implications of population ageing and selected policy responses', *The Lancet*. World Health Organization. Published by Elsevier Ltd/Inc/BV. All rights reserved., 385(9968), pp. 649–657. doi: 10.1016/S0140-6736(14)61464-1.

Bobkova, N. V *et al.* (2015) 'Exogenous Hsp70 delays senescence and improves cognitive function in

aging mice', *PNAS*, 112(52), pp. 16006–16011. doi: 10.1073/pnas.1516131112.

Bodnar, A. G. *et al.* (1998) 'Extension of life-span by introduction of telomerase into normal human cells.', *Science (New York, N.Y.)*. American Association for the Advancement of Science, 279(5349), pp. 349–52. doi: 10.1126/SCIENCE.279.5349.349.

Bohren, B. B., Hill, W. G. and Robertson, A. A. (1966) 'Some observations on asymmetrical correlated responses to selection', *Genet. Res.*, 7, pp. 44–57. doi: 10.1017/S0016672300009460.

Bonomini, F., Rodella, L. F. and Rezzani, R. (2015) 'Metabolic syndrome, aging and involvement of oxidative stress.', *Aging and disease*. JKL International LLC, 6(2), pp. 109–20. doi: 10.14336/AD.2014.0305.

Le Bourg, É. (2007) 'Hormetic effects of repeated exposures to cold at young age on longevity, aging and resistance to heat or cold shocks in Drosophila melanogaster', *Biogerontology*. Kluwer Academic Publishers, 8(4), pp. 431–444. doi: 10.1007/s10522-007-9086-6.

van Boxtel, M. P. J. *et al.* (1998) 'The relation between morbidity and cognitive performance in a normal aging population.', *The journals of gerontology. Series A, Biological sciences and medical sciences*, 53(2), pp. M147-54. doi: 10.1093/gerona/53A.2.M147.

Brand, A. H. and Perrimon, N. (1993) 'Targeted gene expression as a means of altering cell fates and generating dominant phenotypes.', *Development (Cambridge, England)*, 118(2), pp. 401–15.

Bro-Jørgensen, J. (2012) 'Longevity in Bovids Is Promoted by Sociality, But Reduced by Sexual Selection', *PLoS ONE*. Edited by J. M. Waterman. Public Library of Science, 7(9), p. e45769. doi: 10.1371/journal.pone.0045769.

Brogiolo, W. *et al.* (2001) 'An evolutionarily conserved function of the Drosophila insulin receptor and insulin-like peptides in growth control', *Current Biology*. Cell Press, 11(4), pp. 213–221. doi: 10.1016/S0960-9822(01)00068-9.

Bross, T. G., Rogina, B. and Helfand, S. L. (2005) 'Behavioral, physical, and demographic changes in Drosophila populations through dietary restriction', *Aging Cell*. Blackwell Science Ltd, 4(6), pp. 309–317. doi: 10.1111/j.1474-9726.2005.00181.x.

Broughton, S. J. *et al.* (2005) 'Longer lifespan, altered metabolism, and stress resistance in Drosophila from ablation of cells making insulin-like ligands.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 102(8), pp. 3105–10. doi: 10.1073/pnas.0405775102.

Bubliy, O. A., Imasheva, A. G. and Loeschcke, V. (1998) 'Selection for knockdown resistance to heat in Drosophila melanogaster at high and low larval densities', *Evolution*, 52(2), pp. 619–625. doi: 10.2307/2411097.

Bubliy, O. A. and Loeschcke, V. (2005) 'Correlated responses to selection for stress resistance and longevity in a laboratory population of Drosophila melanogaster', in *Journal of Evolutionary Biology*, pp. 789–803. doi: 10.1111/j.1420-9101.2005.00928.x.

Buck, S. *et al.* (2000) 'Extended Longevity in Drosophila Is Consistently Associated With a Decrease in Developmental Viability', *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences*. Oxford University Press, 55(6), pp. B292–B301. doi: 10.1093/gerona/55.6.B292.

Burke, M. K. *et al.* (2014) 'Genome-Wide Association Study of Extreme Longevity in Drosophila melanogaster', *Genome Biology and Evolution*. Oxford University Press, New York, 6(1), pp. 1–11. doi: 10.1093/gbe/evt180.

Burla, H. (1951) 'Systematik, Verbreitung und Oekologie der Driosophila-Arten der Schweiz', *Revue Suisse De Zoologie*, 58(2), pp. 23–175.

Burnett, C. *et al.* (2011) 'Absence of effects of Sir2 overexpression on lifespan in C. elegans and Drosophila', *Nature*. Nature Publishing Group, 477(7365), pp. 482–485. doi: 10.1038/nature10296.

Carnes, M. U. *et al.* (2015) 'The Genomic Basis of Postponed Senescence in Drosophila melanogaster', *PLOS ONE*. Edited by S. J. Broughton. Published for the college by H. K. Lewis, 10(9), p. e0138569. doi: 10.1371/journal.pone.0138569.

Carter, A. J. and Nguyen, A. Q. (2011) 'Antagonistic pleiotropy as a widespread mechanism for the maintenance of polymorphic disease alleles', *BMC Medical Genetics*. BioMed Central, 12(1), p. 160. doi: 10.1186/1471-2350-12-160.

Castilho, R. M. *et al.* (2009) 'mTOR Mediates Wnt-Induced Epidermal Stem Cell Exhaustion and Aging', *Cell Stem Cell*. Cell Press, 5(3), pp. 279–289. doi: 10.1016/J.STEM.2009.06.017.

Chamseddin, K. H. *et al.* (2012) 'takeout-dependent longevity is associated with altered Juvenile Hormone signaling.', *Mechanisms of ageing and development*. NIH Public Access, 133(11–12), pp. 637–46. doi: 10.1016/j.mad.2012.08.004.

Charmantier, A. *et al.* (2006) 'Quantitative genetics of age at reproduction in wild swans: support for antagonistic pleiotropy models of senescence.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 103(17), pp. 6587–92. doi: 10.1073/pnas.0511123103.

Chawla, G. *et al.* (2016) 'A let-7-to-miR-125 MicroRNA Switch Regulates Neuronal Integrity and Lifespan in Drosophila', *PLOS Genetics*. Edited by C. T. Murphy. Public Library of Science, 12(8), p. e1006247. doi: 10.1371/journal.pgen.1006247.

Chen, H. *et al.* (2011) 'The mTOR Inhibitor Rapamycin Suppresses DNA Double-Strand Break Repair', *Radiation Research*. Radiation Research Society PO Box 7050, Lawrence, KS 66044-8897 , 175(2), pp. 214–224. doi: 10.1667/RR2323.1.

Cheng, S.-C. *et al.* (2014) 'mTOR- and HIF-1α-mediated aerobic glycolysis as metabolic basis for trained immunity.', *Science (New York, N.Y.)*. American Association for the Advancement of Science, 345(6204), p. 1250684. doi: 10.1126/science.1250684.

Chiang, A. *et al.* (2009) 'Neuronal activity and Wnt signaling act through Gsk3- to regulate axonal integrity in mature Drosophila olfactory sensory neurons', *Development*. The Company of Biologists Ltd, 136(8), pp. 1273–1282. doi: 10.1242/dev.031377.

Chippindale, A. K. *et al.* (1994) 'The Evolution of Development in Drosophila melanogaster Selected for Postponed Senescence', *Evolution*, 48(6), p. 1880. doi: 10.2307/2410515.

Chippindale, A. K., Chu, T. J. F. and Rose, M. R. (1996) 'COMPLEX TRADE-OFFS AND THE EVOLUTION OF STARVATION RESISTANCE IN *DROSOPHILA MELANOGASTER*', *Evolution*. Wiley/Blackwell (10.1111), 50(2), pp. 753–766. doi: 10.1111/j.1558-5646.1996.tb03885.x.

Chou, S.-D. *et al.* (2012) 'mTOR Is Essential for the Proteotoxic Stress Response, HSF1 Activation and Heat Shock Protein Synthesis', *PLoS ONE*. Edited by M. Sherman. Public Library of Science, 7(6), p. e39679. doi: 10.1371/journal.pone.0039679.

Christe, P., Keller, L. and Roulin, A. (2006) 'The predation cost of being a male: implications for sex-specific rates of ageing', *Oikos*. Blackwell Publishing Ltd, 114(2), pp. 381–384. doi: 10.1111/j.2006.0030-1299.15130.x.

Cirelli, C. *et al.* (2005) 'Reduced sleep in Drosophila Shaker mutants', *Nature*, 434(28), pp. 1087–1092.

Clancy, D. J. *et al.* (2001) 'Extension of life-span by loss of CHICO, a Drosophila insulin receptor substrate protein.', *Science (New York, N.Y.)*. American Association for the Advancement of Science, 292(5514), pp. 104–6. doi: 10.1126/science.1057991.

Clancy, D. J. *et al.* (2002) 'Dietary restriction in long-lived dwarf flies.', *Science (New York, N.Y.)*. American Association for the Advancement of Science, 296(5566), p. 319. doi: 10.1126/science.1069366.

Clancy, D. J. and Kennington, W. J. (2001) 'A simple method to achieve consistent larval density in bottle culture', *Drosophila Information Service*, (84), pp. 168–169.

Collado, M., Blasco, M. A. and Serrano, M. (2007) 'Cellular senescence in cancer and aging.', *Cell*. Elsevier, 130(2), pp. 223–33. doi: 10.1016/j.cell.2007.07.003.

Comfort, A. (1953) 'Absence of a Lansing Effect in Drosophila subobscura', *Nature*. Nature Publishing Group, 172(4367), pp. 83–84. doi: 10.1038/172083a0.

Constantz, G. D. (1979) 'Life history patterns of a livebearing fish in contrasting environments', *Oecologia*. Springer-Verlag, 40(2), pp. 189–201. doi: 10.1007/BF00347936.

Coppé, J.-P. *et al.* (2010) 'The senescence-associated secretory phenotype: the dark side of tumor suppression.', *Annual review of pathology*. NIH Public Access, 5, pp. 99–118. doi: 10.1146/annurev-pathol-121808-102144.

Coyne, J. A. (1983) 'Genetic Basis of Differences in Genital Morphology Among Three Sibling Species of Drosophila', *Evolution*, 37(6), p. 1101. doi: 10.2307/2408834.

Crill, W. D., Huey, R. B. and Gilchrist, G. W. (1996) 'WITHIN- AND BETWEEN-GENERATION EFFECTS OF TEMPERATURE ON THE MORPHOLOGY AND PHYSIOLOGY OF *DROSOPHILA MELANOGASTER*', *Evolution*, 50(3), pp. 1205–1218. doi: 10.1111/j.1558-5646.1996.tb02361.x.

Curtsinger, J. W. *et al.* (1998) 'Genetic analysis of extended life span in Drosophila melanogaster I. RAPD screen for genetic divergence between selected and control lines', *Genetica*. Kluwer Academic Publishers, 104(1), pp. 21–32. doi: 10.1023/A:1003442619700.

Dalle-Donne, I. *et al.* (2003) 'Protein carbonyl groups as biomarkers of oxidative stress.', *Clinica chimica acta; international journal of clinical chemistry*, 329(1–2), pp. 23–38. doi: 10.1016/S0009-8981(03)00003-2.

Davis, R. J. (2000) 'Signal transduction by the JNK group of MAP kinases', in *Inflammatory Processes: Molecular Mechanisms and Therapeutic Opportunities*. Basel: Birkhäuser Basel, pp. 13–21. doi: 10.1007/978-3-0348-8468-6_2.

Deepashree, S., Shivanandappa, T. and Ramesh, S. (2017) 'Life history traits of an extended longevity phenotype of Drosophila melanogaster', *Current Aging Science*, 10(999), pp. 1–1. doi: 10.2174/1874609810666170209111350.

Deerberg, F. *et al.* (1980) 'Genetic and environmental influences on lifespan and diseases in Han:Wistar rats.', *Mechanisms of ageing and development*, 14(3–4), pp. 333–43.

Djawdan, M. *et al.* (1996) 'Metabolic Aspects of the Trade-Off between Fecundity and Longevity in Drosophila melanogaster', *Physiological Zoology*, 69(5), pp. 1176–1195. doi: 10.1086/physzool.69.5.30164252.

Djawdan, M. *et al.* (1998) 'Metabolic Reserves and Evolved Stress Resistance in *Drosophila melanogaster*', *Physiological Zoology*. The University of Chicago Press , 71(5), pp. 584–594. doi: 10.1086/515963.

Doroszuk, A. *et al.* (2012) 'Transcriptome analysis of a long-lived natural Drosophila variant: a prominent role of stress- and reproduction-genes in lifespan extension', *BMC Genomics*, 13(1), p. 167. doi: 10.1186/1471-2164-13-167.

Dudas, S. P. and Arking, R. (1995) 'A coordinate upregulation of antioxidant gene activities is associated with the delayed onset of senescence in a long-lived strain of Drosophila.', *The journals of gerontology. Series A, Biological sciences and medical sciences*, 50(3), pp. B117-27.

Durham, M. F. *et al.* (2014) 'Genome-wide analysis in Drosophila reveals age-specific effects of SNPs on fitness traits', *Nature Communications*, 5, p. 4338. doi: 10.1038/ncomms5338.

Durinck, S. *et al.* (2009) 'Mapping identifiers for the integration of genomic datasets with the R/Bioconductor package biomaRt', *Nature Protocols*, 4(8), pp. 1184–1191. doi: 10.1038/nprot.2009.97.

Eakin, T. and Witten, M. (1995) 'How square is the survival curve of a given species?', *Experimental Gerontology*. Pergamon, 30(1), pp. 33–64. doi: 10.1016/0531-5565(94)00042-2.

Eberharter, A. and Becker, P. B. (2002) 'Histone acetylation: a switch between repressive and permissive chromatin. Second in review series on chromatin dynamics.', *EMBO reports*. EMBO Press, 3(3), pp. 224–9. doi: 10.1093/embo-reports/kvf053.

Economos, A. C. and Lints, F. A. (1984) 'Growth rate and life span in Drosophila. I. Methods and mechanisms of variation of growth rate', *Mechanisms of Ageing and Development*. Elsevier, 27(1), pp. 1–13. doi: 10.1016/0047-6374(84)90078-2.

Enwere, E. *et al.* (2004) 'Aging results in reduced epidermal growth factor receptor signaling, diminished olfactory neurogenesis, and deficits in fine olfactory discrimination.', *The Journal of neuroscience : the official journal of the Society for Neuroscience*. Society for Neuroscience, 24(38), pp. 8354–65. doi: 10.1523/JNEUROSCI.2751-04.2004.

Eskenazi, B. R., Wilson-Rich, N. S. and Starks, P. T. (2007) 'A Darwinian approach to Huntington's disease: Subtle health benefits of a neurological disorder', *Medical Hypotheses*. Churchill

Livingstone, 69(6), pp. 1183–1189. doi: 10.1016/J.MEHY.2007.02.046.

Falconer, D. S. (1952) 'The Problem of Environment and Selection', *The American Naturalist*, 86(830), pp. 293–298.

Feng, J. *et al.* (2012) 'GFOLD: a generalized fold change for ranking differentially expressed genes from RNA-seq data', *Bioinformatics*, 28(21), pp. 2782–2788. doi: 10.1093/bioinformatics/bts515.

Fernandez, R. *et al.* (1995) 'The Drosophila insulin receptor homolog: a gene essential for embryonic development encodes two receptor isoforms with different signaling potential.', *The EMBO Journal*. Wiley-Blackwell, 14(14), pp. 3373–3384. doi: 10.1002/J.1460-2075.1995.TB07343.X.

Finkel, T. and Holbrook, N. J. (2000) 'Oxidants, oxidative stress and the biology of ageing', *Nature*, 408(6809), pp. 239–247. doi: 10.1038/35041687.

Fischer, M. G. *et al.* (2004) 'The Mitotic Arrest in Response to Hypoxia and of Polar Bodies during Early Embryogenesis Requires Drosophila Mps1', *Current Biology*, 14(22), pp. 2019–2024. doi: 10.1016/j.cub.2004.11.008.

Flurkey, K. *et al.* (2001) 'Lifespan extension and delayed immune and collagen aging in mutant mice with defects in growth hormone production.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 98(12), pp. 6736–41. doi: 10.1073/pnas.111158898.

Fok, W. C. *et al.* (2014) 'Combined treatment of rapamycin and dietary restriction has a larger effect on the transcriptome and metabolome of liver', *Aging Cell*, 13(2), pp. 311–319. doi: 10.1111/acel.12175.

Fontana, L., Partridge, L. and Longo, V. D. (2010) 'Extending healthy life span--from yeast to humans.', *Science (New York, N.Y.)*. NIH Public Access, 328(5976), pp. 321–6. doi: 10.1126/science.1172539.

Foronda, D. *et al.* (2014) 'Coordination of insulin and Notch pathway activities by microRNA miR-305 mediates adaptive homeostasis in the intestinal stem cells of the Drosophila gut.', *Genes & development*. Cold Spring Harbor Laboratory Press, 28(21), pp. 2421–31. doi: 10.1101/gad.241588.114.

Fraga, C. G. *et al.* (1990) 'Oxidative damage to DNA during aging: 8-Hydroxy- 2'-deoxyguanosine in rat organ DNA and urine (cancer/mutation/endogenous DNA adducts/8-hydroxyguanine/oxygen radicals)', *Medical Sciences*, 87, pp. 4533–4537.

Fraga, M. F. *et al.* (2005) 'Epigenetic differences arise during the lifetime of monozygotic twins.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 102(30), pp. 10604–9. doi: 10.1073/pnas.0500398102.

Francis, Y. I. *et al.* (2009) 'Dysregulation of Histone Acetylation in the APP/PS1 Mouse Model of Alzheimer's Disease', *Journal of Alzheimer's Disease*. IOS Press, 18(1), pp. 131–139. doi: 10.3233/JAD-2009-1134.

Fry, A J., Palmer, M. R. and Rand, D. M. (2004) 'Variable fitness effects of Wolbachia infection in Drosophila melanogaster.', *Heredity*, 93(4), pp. 379–389. doi: 10.1038/sj.hdy.6800514.

Fukui, H. H., Pletcher, S. D. and Curtsinger, J. W. (1995) 'Selection for Increased Longevity in Drosophila melanogaster: A Response to Baret and Lints', *Gerontology*. Karger Publishers, 41(2), pp. 65–68. doi: 10.1159/000213664.

Gallinetti, J., Harputlugil, E. and Mitchell, J. R. (2013) 'Amino acid sensing in dietary-restriction-mediated longevity: roles of signal-transducing kinases GCN2 and TOR.', *The Biochemical journal*. Portland Press Limited, 449(1), pp. 1–10. doi: 10.1042/BJ20121098.

Gargano, J. W. *et al.* (2005) 'Rapid iterative negative geotaxis (RING): A new method for assessing age-related locomotor decline in Drosophila', *Experimental Gerontology*, 40(5), pp. 386–395. doi: 10.1016/j.exger.2005.02.005.

Gasch, A. P., Payseur, B. A. and Pool, J. E. (2016) 'The Power of Natural Variation for Model Organism Biology', *Trends in Genetics*. Elsevier Current Trends, 32(3), pp. 147–154. doi: 10.1016/J.TIG.2015.12.003.

Gendron, C. M. and Pletcher, S. D. (2017) 'MicroRNAs *mir-184* and *let-7* alter *Drosophila* metabolism and longevity', *Aging Cell*. Wiley/Blackwell (10.1111), 16(6), pp. 1434–1438. doi: 10.1111/acel.12673.

Gensler, H. L. and Bernstein, H. (1981) 'DNA Damage as the Primary Cause of Aging', *The Quarterly Review of Biology*. Stony Brook Foundation, Inc. , 56(3), pp. 279–303. doi: 10.1086/412317.

Georgel, P. *et al.* (2001) 'Drosophila immune deficiency (IMD) is a death domain protein that activates antibacterial defense and can promote apoptosis.', *Developmental cell*, 1(4), pp. 503–14.

Giacalone, D. *et al.* (2016) 'Health and quality of life in an aging population - Food and beyond', *Food Quality and Preference*. Elsevier Ltd, 47, pp. 166–170. doi: 10.1016/j.foodqual.2014.12.002.

Gibbs, A. G., Fukuzato, F. and Matzkin, L. M. (2003) 'Evolution of water conservation mechanisms in

Drosophila.', *The Journal of experimental biology*. The Company of Biologists Ltd, 206(Pt 7), pp. 1183–92. doi: 10.1242/JEB.00233.

Gibson, U. E., Heid, C. A. and Williams, P. M. (1996) 'A novel method for real time quantitative RT-PCR.', *Genome research*. Cold Spring Harbor Laboratory Press, 6(10), pp. 995–1001. doi: 10.1101/GR.6.10.995.

Gombar, S. *et al.* (2012) 'Comprehensive microRNA profiling in B-cells of human centenarians by massively parallel sequencing', *BMC Genomics*. BioMed Central, 13(1), p. 353. doi: 10.1186/1471-2164-13-353.

Gonda, R. L., Garlena, R. A. and Stronach, B. (2012) 'Drosophila Heat Shock Response Requires the JNK Pathway and Phosphorylation of Mixed Lineage Kinase at a Conserved Serine-Proline Motif', *PLoS ONE*. Edited by F. Gallyas. Public Library of Science, 7(7), p. e42369. doi: 10.1371/journal.pone.0042369.

Goodrick, C. L. (1975) 'Life-span and the inheritance of longevity of inbred mice.', *Journal of gerontology*, 30(3), pp. 257–63.

Gorfinkiel, N., Sánchez, L. and Guerrero, I. (1999) 'Drosophila terminalia as an appendage-like structure', *Mechanisms of Development*, 86(1–2), pp. 113–123. doi: 10.1016/S0925-4773(99)00122-7.

Grandison, R. C., Piper, M. D. W. and Partridge, L. (2009) 'Amino-acid imbalance explains extension of lifespan by dietary restriction in Drosophila.', *Nature*. Europe PMC Funders, 462(7276), pp. 1061–4. doi: 10.1038/nature08619.

Graves, J. L. *et al.* (1992) 'Desiccation, Flight, Glycogen, and Postponed Senescence in Drosophila melanogaster', *Physiological Zoology*, 65(2), pp. 268–286.

Graves, J. L. *et al.* (2017) 'Genomics of Parallel Experimental Evolution in *Drosophila*', *Molecular Biology and Evolution*, 34(4), p. msw282. doi: 10.1093/molbev/msw282.

Graves, J. L., Luckinbill, L. S. and Nichols, A. (1988) 'Flight duration and wing beat frequency in long- and short-lived Drosophila melanogaster', *Journal of Insect Physiology*, 34(11), pp. 1021–1026. doi: 10.1016/0022-1910(88)90201-6.

Gromko, M. H. (1995) 'UNPREDICTABILITY OF CORRELATED RESPONSE TO SELECTION: PLEIOTROPY AND SAMPLING INTERACT', *Evolution*, 49(4), pp. 685–693. doi: 10.1111/j.1558-5646.1995.tb02305.x.

Grotewiel, M. S. *et al.* (2005) 'Functional senescence in Drosophila melanogaster', *Ageing Research*

Reviews, 4(3), pp. 372–397. doi: 10.1016/j.arr.2005.04.001.

Guevara-Aguirre, J. *et al.* (2011) 'Growth hormone receptor deficiency is associated with a major reduction in pro-aging signaling, cancer, and diabetes in humans.', *Science translational medicine*. American Association for the Advancement of Science, 3(70), p. 70ra13. doi: 10.1126/scitranslmed.3001845.

Hammers, M. *et al.* (2015) 'Senescence in the wild: Insights from a long-term study on Seychelles warblers', *Experimental Gerontology*, 71, pp. 69–79. doi: 10.1016/j.exger.2015.08.019.

Han, D. D., Stein, D. and Stevens, L. M. (2000) 'Investigating the function of follicular subpopulations during Drosophila oogenesis through hormone-dependent enhancer-targeted cell ablation.', *Development (Cambridge, England)*, 127(3), pp. 573–83.

Han, G. *et al.* (2013) 'Characteristic transformation of blood transcriptome in Alzheimer's disease.', *Journal of Alzheimer's disease : JAD*, 35(2), pp. 373–86. doi: 10.3233/JAD-121963.

Harman, D. (1956) 'Aging: a theory based on free radical and radiation chemistry.', *Journal of gerontology*, 11(3), pp. 298–300.

Harrison, D. E. *et al.* (2009) 'Rapamycin fed late in life extends lifespan in genetically heterogeneous mice', *Nature*. Nature Publishing Group, 460(7253), pp. 392–395. doi: 10.1038/nature08221.

Harshman, L. G. *et al.* (1999) 'Stress resistance and longevity in selected lines of Drosophila melanogaster☆', *Neurobiology of Aging*, 20(5), pp. 521–529. doi: 10.1016/S0197-4580(99)00091-3.

Harshman, L. G. and Haberer, B. A. (2000) 'Oxidative Stress Resistance: A Robust Correlated Response to Selection in Extended Longevity Lines of Drosophila melanogaster?', *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences*. Oxford University Press, 55(9), pp. B415–B417. doi: 10.1093/gerona/55.9.B415.

Harshman, L. G. and Hoffmann, A. A. (2000) 'Laboratory selection experiments using Drosophila: what do they really tell us?', *Trends in Ecology & Evolution*, pp. 32–36. doi: 10.1016/S0169-5347(99)01756-5.

Van Heemst, D. *et al.* (2005) 'Reduced insulin/IGF-1 signalling and human longevity', *Aging Cell*. Wiley/Blackwell (10.1111), 4(2), pp. 79–85. doi: 10.1111/j.1474-9728.2005.00148.x.

Heilbronn, L. K. *et al.* (2006) 'Effect of 6-Month Calorie Restriction on Biomarkers of Longevity, Metabolic Adaptation, and Oxidative Stress in Overweight Individuals', *JAMA*. American Medical Association, 295(13), p. 1539. doi: 10.1001/jama.295.13.1539.

Heintz, C. and Mair, W. (2014) 'You Are What You Host: Microbiome Modulation of the Aging Process', *Cell*, 156(3), pp. 408–411. doi: 10.1016/j.cell.2014.01.025.

Heitman, J., Movva, N. R. and Hall, M. N. (1991) 'Targets for cell cycle arrest by the immunosuppressant rapamycin in yeast.', *Science (New York, N.Y.)*. American Association for the Advancement of Science, 253(5022), pp. 905–9. doi: 10.1126/SCIENCE.1715094.

Helfand, S. L. *et al.* (2009) 'Reply to Partridge et al.: Longevity of Drosophila Indy mutant is influenced by caloric intake and genetic background', *Proceedings of the National Academy of Sciences*. National Academy of Sciences, 106(21), pp. E54–E54. doi: 10.1073/pnas.0902947106.

Hennessey, P. T. *et al.* (2012) 'Serum microRNA Biomarkers for Detection of Non-Small Cell Lung Cancer', *PLoS ONE*. Edited by N. Vij. Public Library of Science, 7(2), p. e32307. doi: 10.1371/journal.pone.0032307.

Hercus, M. J., Loeschcke, V. and Rattan, S. I. S. (2003) 'Lifespan extension of Drosophila melanogaster through hormesis by repeated mild heat stress', *Biogerontology*. Kluwer Academic Publishers, 4(3), pp. 149–156. doi: 10.1023/A:1024197806855.

Herskind, A. M. *et al.* (1996) 'The heritability of human longevity: A population-based study of 2872 Danish twin pairs born 1870–1900', *Human Genetics*. Springer-Verlag, 97(3), pp. 319–323. doi: 10.1007/BF02185763.

Higuchi, R. *et al.* (1992) 'Simultaneous amplification and detection of specific DNA sequences.', *Bio/technology (Nature Publishing Company)*, 10(4), pp. 413–7.

Hillesheim, E. and Stearns, S. C. (1992) 'CORRELATED RESPONSES IN LIFE-HISTORY TRAITS TO ARTIFICIAL SELECTION FOR BODY-WEIGHT IN DROSOPHILA-MELANOGASTER', *Evolution*, 46.

Hoffmann, A. A. and Harshman, L. G. (1999) 'Desiccation and starvation resistance in Drosophila: patterns of variation at the species, population and intrapopulation levels', *Heredity*. Wiley/Blackwell (10.1111), 83(6), pp. 637–643. doi: 10.1046/j.1365-2540.1999.00649.x.

Hoffmann, A. A. and Parsons, P. A. (1993) 'Direct and correlated responses to selection for desiccation resistance: a comparison of Drosophila melanogaster and D. simulans', *Journal of Evolutionary Biology*. Wiley/Blackwell (10.1111), 6(5), pp. 643–657. doi: 10.1046/j.1420-9101.1993.6050643.x.

Hoffmann, J. *et al.* (2013) 'Overexpression of Sir2 in the adult fat body is sufficient to extend lifespan of male and female Drosophila.', *Aging*. Impact Journals, LLC, 5(4), pp. 315–27. doi: 10.18632/aging.100553.

Hoffmann, J. A. (2003) 'The immune response of Drosophila', *Nature*. Nature Publishing Group, 426(6962), pp. 33–38. doi: 10.1038/nature02021.

Holly, A. C. *et al.* (2013) 'Towards a gene expression biomarker set for human biological age.', *Aging cell*. NIH Public Access, 12(2), pp. 324–6. doi: 10.1111/acel.12044.

Holzenberger, M. *et al.* (2003) 'IGF-1 receptor regulates lifespan and resistance to oxidative stress in mice', *Nature*, 421(6919), pp. 182–187. doi: 10.1038/nature01298.

Horvath, S. (2013) 'DNA methylation age of human tissues and cell types', *Genome Biology*, 14(10), p. R115. doi: 10.1186/gb-2013-14-10-r115.

Hossie, T. J. *et al.* (2013) 'Species with a chemical defence, but not chemical offence, live longer', *Journal of Evolutionary Biology*, 26(7), pp. 1598–1602. doi: 10.1111/jeb.12143.

Huang, D. W., Sherman, B. T. and Lempicki, R. A. (2009) 'Bioinformatics enrichment tools: paths toward the comprehensive functional analysis of large gene lists', *Nucleic Acids Research*. Oxford University Press, 37(1), pp. 1–13. doi: 10.1093/nar/gkn923.

Huey, R. B. *et al.* (1992) 'A Method for Rapid Measurement of Heat or Cold Resistance of Small Insects', *Functional Ecology*, 6(4), pp. 489–494.

Hutner, S. H. *et al.* (1937) 'Chemicals Attracting Drosophila', *The American Naturalist*, 71(737), pp. 575–581.

Hwangbo, D. S. *et al.* (2004) 'Drosophila dFOXO controls lifespan and regulates insulin signalling in brain and fat body', *Nature*. Nature Publishing Group, 429(6991), pp. 562–566. doi: 10.1038/nature02549.

Inestrosa, N. C. and Varela-Nallar, L. (2015) 'Wnt signalling in neuronal differentiation and development', *Cell and Tissue Research*. Springer Berlin Heidelberg, 359(1), pp. 215–223. doi: 10.1007/s00441-014-1996-4.

Inoki, K. and Guan, K.-L. (2006) 'Complexity of the TOR signaling network', *Trends in Cell Biology*, 16(4), pp. 206–212. doi: 10.1016/j.tcb.2006.02.002.

Ivanov, D. K. *et al.* (2015) 'Longevity GWAS Using the *Drosophila* Genetic Reference Panel', *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences*. Oxford University Press, 70(12), pp. 1470–1478. doi: 10.1093/gerona/glv047.

Jackson, C. (2016) '**flexsurv** : A Platform for Parametric Survival Modeling in *R*', *Journal of Statistical Software*, 70(8), pp. 1–33. doi: 10.18637/jss.v070.i08.

Jacobson, J. *et al.* (2010) 'Biomarkers of aging in Drosophila', *Aging Cell*. Wiley/Blackwell (10.1111), 9(4), pp. 466–477. doi: 10.1111/j.1474-9726.2010.00573.x.

Jaskelioff, M. *et al.* (2011) 'Telomerase reactivation reverses tissue degeneration in aged telomerase-deficient mice.', *Nature*. NIH Public Access, 469(7328), pp. 102–6. doi: 10.1038/nature09603.

Jeyapalan, J. C. and Sedivy, J. M. (2008) 'Cellular senescence and organismal aging', *Mechanisms of Ageing and Development*. Elsevier, 129(7–8), pp. 467–474. doi: 10.1016/J.MAD.2008.04.001.

Jia, K., Chen, D. and Riddle, D. L. (2004) 'The TOR pathway interacts with the insulin signaling pathway to regulate C. elegans larval development, metabolism and life span.', *Development (Cambridge, England)*. The Company of Biologists Ltd, 131(16), pp. 3897–906. doi: 10.1242/dev.01255.

Jin, K. (2010) 'Modern Biological Theories of Aging.', *Aging and disease*. JKL International LLC, 1(2), pp. 72–74.

Jin, W. *et al.* (2001) 'The contributions of sex, genotype and age to transcriptional variance in Drosophila melanogaster.', *Nature genetics*, 29(4), pp. 389–95. doi: 10.1038/ng766.

Johnson, T. K., McKechnie, S. W. and Clancy, D. J. (2006) 'Water balance and cation levels in Drosophila: can early physiological decline predict aging and longevity?', *The journals of gerontology. Series A, Biological sciences and medical sciences*, 61(2), pp. 146–52.

Jordan, B. R., Jourdan, R. and Jacq, B. (1976) 'Late steps in the maturation of Drosophila 26 S ribosomal RNA: generation of 5-8 S and 2 S RNAs by cleavages occurring in the cytoplasm.', *Journal of molecular biology*, 101(1), pp. 85–105.

Kampkötter, A. *et al.* (2008) 'Increase of stress resistance and lifespan of Caenorhabditis elegans by quercetin', *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*, 149(2), pp. 314–323. doi: 10.1016/j.cbpb.2007.10.004.

Kanfi, Y. *et al.* (2012) 'The sirtuin SIRT6 regulates lifespan in male mice', *Nature*. Nature Publishing Group, 483(7388), pp. 218–221. doi: 10.1038/nature10815.

Kapahi, P. *et al.* (2004a) 'Regulation of Lifespan in Drosophila by Modulation of Genes in the TOR Signaling Pathway', *Current Biology*, 14(10), pp. 885–890. doi: 10.1016/j.cub.2004.03.059.

Kapahi, P. *et al.* (2004b) 'Regulation of Lifespan in Drosophila by Modulation of Genes in the TOR Signaling Pathway', *Current Biology*. Cell Press, 14(10), pp. 885–890. doi: 10.1016/J.CUB.2004.03.059.

Karpac, J. and Jasper, H. (2009) 'Insulin and JNK: optimizing metabolic homeostasis and lifespan', *Trends in Endocrinology & Metabolism*. Elsevier Current Trends, 20(3), pp. 100–106. doi: 10.1016/J.TEM.2008.11.004.

Kassambara, A. and Kosinski, M. (2018) 'survminer: Drawing Survival Curves using "ggplot2"'.

Katewa, S. D. and Kapahi, P. (2011) 'Role of TOR signaling in aging and related biological processes in Drosophila melanogaster', *Experimental Gerontology*. Pergamon, 46(5), pp. 382–390. doi: 10.1016/J.EXGER.2010.11.036.

Keaney, M. *et al.* (2004) 'Superoxide dismutase mimetics elevate superoxide dismutase activity in vivo but do not retard aging in the nematode Caenorhabditis elegans', *Free Radical Biology and Medicine*, 37(2), pp. 239–250. doi: 10.1016/j.freeradbiomed.2004.04.005.

Kenyon, C. *et al.* (1993) 'A C. elegans mutant that lives twice as long as wild type', *Nature*, 366(6454), pp. 461–464. doi: 10.1038/366461a0.

Kenyon, C. J. (2010) 'The genetics of ageing', *Nature*, 464(7288), pp. 504–512. doi: 10.1038/nature08980.

Kern, S. *et al.* (2001) 'DECLINE IN OFFSPRING VIABILITY AS A MANIFESTATION OF AGING IN DROSOPHILA MELANOGASTER', *Evolution*, 55(9), p. 1822. doi: 10.1554/0014-3820(2001)055[1822:DIOVAA]2.0.CO;2.

Khurana, V. *et al.* (2006) 'TOR-Mediated Cell-Cycle Activation Causes Neurodegeneration in a Drosophila Tauopathy Model', *Current Biology*. Cell Press, 16(3), pp. 230–241. doi: 10.1016/J.CUB.2005.12.042.

Kim, D. *et al.* (2013) 'TopHat2: accurate alignment of transcriptomes in the presence of insertions, deletions and gene fusions', *Genome Biology*, 14(4), p. R36. doi: 10.1186/gb-2013-14-4-r36.

Kirkland, J. L. (2013) 'Translating advances from the basic biology of aging into clinical application', *Experimental Gerontology*. Elsevier Inc., 48(1), pp. 1–5. doi: 10.1016/j.exger.2012.11.014.

Kirkwood, T. B. and Holliday, R. (1979) 'The evolution of ageing and longevity.', *Proceedings of the Royal Society of London. Series B, Biological sciences*. The Royal Society, 205(1161), pp. 531–46. doi: 10.1098/RSPB.1979.0083.

Klass, M. and Hirsh, D. (1976) 'Non-ageing developmental variant of Caenorhabditis elegans', *Nature*, 260(5551), pp. 523–525. doi: 10.1038/260523a0.

Kline, K. A. and Bowdish, D. M. E. (2016) 'Infection in an aging population', *Current Opinion in*

Microbiology. Elsevier Ltd, 29, pp. 63–67. doi: 10.1016/j.mib.2015.11.003.

Koh, K. *et al.* (2006) 'A Drosophila model for age-associated changes in sleep:wake cycles.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 103(37), pp. 13843–7. doi: 10.1073/pnas.0605903103.

Krebs, R. A. and Feder, M. E. (1997) 'Deleterious consequences of Hsp70 overexpression in Drosophila melanogaster larvae.', *Cell stress & chaperones*, 2(1), pp. 60–71.

Kristal, B. S. *et al.* (2007) 'Metabolomics in the Study of Aging and Caloric Restriction', in. Humana Press, pp. 393–409. doi: 10.1007/978-1-59745-361-5_25.

Krueger, F. (2015) 'Trim Galore!: A wrapper tool around Cutadapt and FastQC to consistently apply quality and adapter trimming to FastQ files'.

Kuether, K. and Arking, R. (1999) 'Drosophila selected for extended longevity are more sensitive to heat shock', *AGE*. Kluwer Academic Publishers, 22(4), pp. 175–180. doi: 10.1007/s11357-999-0020-5.

Kurapati, R. *et al.* (2000) 'Increased hsp22 RNA levels in Drosophila lines genetically selected for increased longevity.', *The journals of gerontology. Series A, Biological sciences and medical sciences*, 55(11), pp. B552-9.

de la Guardia, Y. *et al.* (2016) 'Run-on of germline apoptosis promotes gonad senescence in C. elegans.', *Oncotarget*. Impact Journals, LLC, 7(26), pp. 39082–39096. doi: 10.18632/oncotarget.9681.

Landis, G., Shen, J. and Tower, J. (2012) 'Gene expression changes in response to aging compared to heat stress, oxidative stress and ionizing radiation in Drosophila melanogaster.', *Aging*. Impact Journals, LLC, 4(11), pp. 768–89. doi: 10.18632/aging.100499.

Lansing, A. I. (1947) 'A Transmissible, Cumulative, and Reversible Factor in Aging', *Journal of Gerontology*. Oxford University Press, 2(3), pp. 228–239. doi: 10.1093/geronj/2.3.228.

Lansing, A. I. (1948) 'EVIDENCE FOR AGING AS A CONSEQUENCE OF GROWTH CESSATION', *Sci. Prog. J. Chem. Phys*. Macmillan Book Co, 7(145), pp. 726–362.

Lee, B. C. *et al.* (2014) 'Methionine restriction extends lifespan of Drosophila melanogaster under conditions of low amino-acid status.', *Nature communications*. NIH Public Access, 5, p. 3592. doi: 10.1038/ncomms4592.

Lee, C. K. *et al.* (1999) 'Gene expression profile of aging and its retardation by caloric restriction.', *Science (New York, N.Y.)*, 285(5432), pp. 1390–3.

Lee, K.-S. *et al.* (2009) 'JNK/FOXO-mediated neuronal expression of fly homologue of peroxiredoxin II reduces oxidative stress and extends life span.', *The Journal of biological chemistry*. American Society for Biochemistry and Molecular Biology, 284(43), pp. 29454–61. doi: 10.1074/jbc.M109.028027.

Lee, K. P. *et al.* (2008) 'Lifespan and reproduction in Drosophila: New insights from nutritional geometry.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 105(7), pp. 2498–503. doi: 10.1073/pnas.0710787105.

Lee, R. D. (2003) 'Rethinking the evolutionary theory of aging: transfers, not births, shape senescence in social species.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 100(16), pp. 9637–42. doi: 10.1073/pnas.1530303100.

Lehtovaara, A. *et al.* (2013) 'Heritability of life span is largely sex limited in Drosophila.', *The American naturalist*, 182(5), pp. 653–65. doi: 10.1086/673296.

Leips, J. and Mackay, T. F. C. (2000) 'Quantitative Trait Loci for Life Span in Drosophila melanogaster: Interactions With Genetic Background and Larval Density', *Genetics*, 155(4).

Lelegren, M. *et al.* (2016) 'Pharmaceutical inhibition of mTOR in the common marmoset: effect of rapamycin on regulators of proteostasis in a non-human primate.', *Pathobiology of aging & age related diseases*. Taylor & Francis, 6, p. 31793. doi: 10.3402/PBA.V6.31793.

Levine, R. L. *et al.* (1990) 'Determination of carbonyl content in oxidatively modified proteins.', *Methods in enzymology*, 186, pp. 464–78.

Levine, R. L. *et al.* (2000) 'Determination of Carbonyl Groups in Oxidized Proteins', in *Stress Response*. New Jersey: Humana Press, pp. 15–24. doi: 10.1385/1-59259-054-3:15.

Libert, S. *et al.* (2007) 'Regulation of Drosophila life span by olfaction and food-derived odors.', *Science (New York, N.Y.)*. American Association for the Advancement of Science, 315(5815), pp. 1133–7. doi: 10.1126/science.1136610.

Lin, M.-J. *et al.* (2005) 'DNA Methyltransferase Gene dDnmt2 and Longevity of Drosophila', *Journal of Biological Chemistry*, 280(2), pp. 861–864. doi: 10.1074/jbc.C400477200.

Lin, Y.-J., Seroude, L. and Benzer, S. (1998) 'Extended Life-Span and Stress Resistance in the Drosophila Mutant methuselah', *Science*, 282(5390).

Lindquist, S. and Craig, E. A. (1988) 'The Heat-Shock Proteins', *Annual Review of Genetics*, 22(1), pp. 631–677. doi: 10.1146/annurev.ge.22.120188.003215.

Lints, F. A. *et al.* (1979) 'An attempt to select for increased longevity in Drosophila melanogaster',

Gerontology, 25(4), pp. 192–204.

Lints, F. A. *et al.* (1989) 'Unexplained variations in life span of the Oregon-R strain of Drosophila melanogaster over a four-year period', *Experimental Gerontology*, 24(3), pp. 265–271. doi: 10.1016/0531-5565(89)90017-X.

Liu, L. *et al.* (2003) 'Contribution of Drosophila DEG/ENaC Genes to Salt Taste', *Neuron*, 39(1), pp. 133–146. doi: 10.1016/S0896-6273(03)00394-5.

Liu, Y., Zhou, J. and White, K. P. (2014) 'RNA-seq differential expression studies: more sequence or more replication?', *Bioinformatics*, 30(3), pp. 301–304. doi: 10.1093/bioinformatics/btt688.

Ljungquist, B. *et al.* (1998) 'The effect of genetic factors for longevity: a comparison of identical and fraternal twins in the Swedish Twin Registry.', *The journals of gerontology. Series A, Biological sciences and medical sciences*, 53(6), pp. M441-6.

Loeschcke, V. and Krebs, R. a (1996) 'Selection for heat-shock resistance in larval and in adult Drosophila buzzatii: comparing direct and indirect responses', *Evolution*, 50(6), pp. 2354–2359. doi: 10.2307/2410704.

Longo, V. D., Mitteldorf, J. and Skulachev, V. P. (2005) 'Programmed and altruistic ageing', *Nature Reviews Genetics*. Nature Publishing Group, 6(11), pp. 866–872. doi: 10.1038/nrg1706.

Luchak, J. M. *et al.* (2007) 'Modulating Longevity in Drosophila by Over- and Underexpression of Glutamate-Cysteine Ligase', *Annals of the New York Academy of Sciences*, 1119(1), pp. 260–273. doi: 10.1196/annals.1404.000.

Luckinbill, L. S. *et al.* (1984) 'Selection for Delayed Senescence in Drosophila melanogaster', *Evolution*, 38(5), pp. 996–1003. doi: 10.2307/2408433.

Luckinbill, L. S. *et al.* (1988) 'Localizing genes that defer senescence in Drosophila melanogaster.', *Heredity*, 60 (Pt 3), pp. 367–74.

Luckinbill, L. S. and Clare, M. J. (1985) 'Selection for life span in Drosophila melanogaster', *Heredity*, 55(1), pp. 9–18. doi: 10.1038/hdy.1985.66.

Luckinbill, L. S. and Clare, M. J. (1986) 'A density threshold for the expression of longevity in Drosophila melanogaster', *Heredity*, 56, pp. 329–335.

Ma, S. *et al.* (2018) 'Comparative transcriptomics across 14 *Drosophila* species reveals signatures of longevity', *Aging Cell*. Wiley/Blackwell (10.1111), p. e12740. doi: 10.1111/acel.12740.

Machida, T. *et al.* (2015) 'MicroRNAs in Salivary Exosome as Potential Biomarkers of Aging.', *International journal of molecular sciences*. Multidisciplinary Digital Publishing Institute (MDPI), 16(9), pp. 21294–309. doi: 10.3390/ijms160921294.

MacMillan, H. A. *et al.* (2016) 'Cold acclimation wholly reorganizes the Drosophila melanogaster transcriptome and metabolome', *Scientific Reports*, 6(1), p. 28999. doi: 10.1038/srep28999.

de Magalhães, J. P., Curado, J. and Church, G. M. (2009) 'Meta-analysis of age-related gene expression profiles identifies common signatures of aging', *Bioinformatics*, 25(7), pp. 875–881. doi: 10.1093/bioinformatics/btp073.

de Magalhães, J. P., Finch, C. E. and Janssens, G. (2010) 'Next-generation sequencing in aging research: Emerging applications, problems, pitfalls and possible solutions', *Ageing Research Reviews*. Elsevier, 9(3), pp. 315–323. doi: 10.1016/J.ARR.2009.10.006.

de Magalhães, J. P. and Toussaint, O. (2004) 'GenAge: a genomic and proteomic network map of human ageing', *FEBS Letters*. Wiley-Blackwell, 571(1–3), pp. 243–247. doi: 10.1016/j.febslet.2004.07.006.

Mair, W., Piper, M. D. W. and Partridge, L. (2005) 'Calories Do Not Explain Extension of Life Span by Dietary Restriction in Drosophila', *PLOS Biology*. Public Library of Science, 3(7), p. e223. doi: 10.1371/JOURNAL.PBIO.0030223.

Manière, X. *et al.* (2014) 'High transcript levels of heat-shock genes are associated with shorter lifespan of Caenorhabditis elegans', *Experimental Gerontology*, 60, pp. 12–17. doi: 10.1016/j.exger.2014.09.005.

Martin, J.-R. (2004) 'A portrait of locomotor behaviour in Drosophila determined by a video-tracking paradigm', *Behavioural Processes*, 67(2), pp. 207–219. doi: 10.1016/j.beproc.2004.04.003.

Martin, M. (2011) 'Cutadapt removes adapter sequences from high-throughput sequencing reads', *EMBnet.journal*, 17(1), p. 10. doi: 10.14806/ej.17.1.200.

Marzetti, E. *et al.* (2013) 'Mitochondrial dysfunction and sarcopenia of aging: from signaling pathways to clinical trials.', *The international journal of biochemistry & cell biology*. NIH Public Access, 45(10), pp. 2288–301. doi: 10.1016/j.biocel.2013.06.024.

Maslov, A. Y. *et al.* (2013) 'DNA damage in normally and prematurely aged mice', *Aging Cell*, 12(3), pp. 467–477. doi: 10.1111/acel.12071.

McAnally, A. A. *et al.* (2010) 'Widespread Transcriptional Autosomal Dosage Compensation in

Drosophila Correlates with Gene Expression Level', *Genome Biology and Evolution*. BioMed Central, 2(0), pp. 44–52. doi: 10.1093/gbe/evp054.

McCarroll, S. A. *et al.* (2004) 'Comparing genomic expression patterns across species identifies shared transcriptional profile in aging', *Nature Genetics*. Nature Publishing Group, 36(2), pp. 197–204. doi: 10.1038/ng1291.

McColl, G., Hoffmann, A. A. and McKechnie, S. W. (1996) 'Response of Two Heat Shock Genes to Selection for Knockdown Heat Resistance in Drosophila melanogaster', *Genetics*, 143(4).

Medawar, P. B. (1952) *An Unsolved Problem of Biology*. London: H.K. Lewis & Co.

Medvedev, Z. A. (1990) 'An attempt at a rational classification of theories of ageing.', *Biological reviews of the Cambridge Philosophical Society*, 65(3), pp. 375–98.

Mertz, D. B. (1975) 'Senescent Decline in Flour Beetle Strains Selected for Early Adult Fitness', *Physiological Zoology*. University of Chicago Press , 48(1), pp. 1–23. doi: 10.1086/physzool.48.1.30155634.

Mesholam, R. I. *et al.* (1998) 'Olfaction in Neurodegenerative Disease', *Archives of Neurology*. American Medical Association, 55(1), p. 84. doi: 10.1001/archneur.55.1.84.

Meunier, N., Belgacem, Y. H. and Martin, J.-R. (2007) 'Regulation of feeding behaviour and locomotor activity by takeout in Drosophila', *Journal of Experimental Biology*, 210(8), pp. 1424–1434. doi: 10.1242/jeb.02755.

Michishita, E. *et al.* (2008) 'SIRT6 is a histone H3 lysine 9 deacetylase that modulates telomeric chromatin', *Nature*. Nature Publishing Group, 452(7186), pp. 492–496. doi: 10.1038/nature06736.

Miller, M. S. *et al.* (2008) 'Aging Enhances Indirect Flight Muscle Fiber Performance yet Decreases Flight Ability in Drosophila', *Biophysical Journal*, 95(5), pp. 2391–2401. doi: 10.1529/biophysj.108.130005.

Miller, R. S. and Thomas, J. L. (1958) 'The Effects of Larval Crowding and Body Size on the Longevity of Adult Drosophila', *Source: Ecology*, 39(1), pp. 118–125.

Min, K.-J. *et al.* (2008) 'Drosophila lifespan control by dietary restriction independent of insulin-like signaling', *Aging Cell*. Wiley/Blackwell (10.1111), 7(2), pp. 199–206. doi: 10.1111/j.1474-9726.2008.00373.x.

Min, K.-J. and Tatar, M. (2006) 'Restriction of amino acids extends lifespan in Drosophila melanogaster', *Mechanisms of Ageing and Development*. Elsevier, 127(7), pp. 643–646. doi:

10.1016/J.MAD.2006.02.005.

Morey, J. S., Ryan, J. C. and Dolah, F. M. (2006) 'Microarray validation: factors influencing correlation between oligonucleotide microarrays and real-time PCR', *Biological Procedures Online*, 8(1), pp. 175–193. doi: 10.1251/bpo126.

MORROW, G. *et al.* (2004) 'Overexpression of the small mitochondrial Hsp22 extends *Drosophila* life span and increases resistance to oxidative stress', *The FASEB Journal*, 18(3), pp. 598–599. doi: 10.1096/fj.03-0860fje.

Moskalev, A. A. and Shaposhnikov, M. V. (2010) 'Pharmacological Inhibition of Phosphoinositide 3 and TOR Kinases Improves Survival of *Drosophila melanogaster*', *Rejuvenation Research*. Mary Ann Liebert, Inc. 140 Huguenot Street, 3rd Floor New Rochelle, NY 10801 USA , 13(2–3), pp. 246–247. doi: 10.1089/rej.2009.0903.

Mullis, K. *et al.* (1986) 'Specific enzymatic amplification of DNA in vitro: the polymerase chain reaction.', *Cold Spring Harbor symposia on quantitative biology*, 51 Pt 1, pp. 263–73.

Murphy, C. *et al.* (2002) 'Prevalence of Olfactory Impairment in Older Adults', *JAMA*. American Medical Association, 288(18), p. 2307. doi: 10.1001/jama.288.18.2307.

Myllymäki, H., Valanne, S. and Rämet, M. (2014) 'The Drosophila imd signaling pathway.', *Journal of immunology (Baltimore, Md. : 1950)*. American Association of Immunologists, 192(8), pp. 3455–62. doi: 10.4049/jimmunol.1303309.

Nakamura, S. *et al.* (2012) 'Identification of blood biomarkers of aging by transcript profiling of whole blood', *Biochemical and Biophysical Research Communications*, 418(2), pp. 313–318. doi: 10.1016/j.bbrc.2012.01.018.

Nasiri Moghadam, N. *et al.* (2015) 'The Role of Storage Lipids in the Relation between Fecundity, Locomotor Activity, and Lifespan of Drosophila melanogaster Longevity-Selected and Control Lines', *PLOS ONE*. Edited by J. C. Bettinger. Public Library of Science, 10(6), p. e0130334. doi: 10.1371/journal.pone.0130334.

Neumann-Haefelin, E. *et al.* (2008) 'SHC-1/p52Shc targets the insulin/IGF-1 and JNK signaling pathways to modulate life span and stress response in C. elegans.', *Genes & development*. Cold Spring Harbor Laboratory Press, 22(19), pp. 2721–35. doi: 10.1101/gad.478408.

Nghiem, D. *et al.* (2000) 'Postponed aging and desiccation resistance in Drosophila melanogaster.', *Experimental gerontology*, 35(8), pp. 957–69.

Noda, T. and Ohsumi, Y. (1998) 'Tor, a phosphatidylinositol kinase homologue, controls autophagy in yeast.', *The Journal of biological chemistry*. American Society for Biochemistry and Molecular Biology, 273(7), pp. 3963–6. doi: 10.1074/JBC.273.7.3963.

Norry, F. M. *et al.* (2006) 'Altitudinal patterns for longevity, fecundity and senescence in Drosophila buzzatii', *Genetica*. Kluwer Academic Publishers, 128(1–3), pp. 81–93. doi: 10.1007/s10709-005-5537-7.

Norry, F. M. and Loeschcke, V. (2003) 'Heat-induced expression of a molecular chaperone decreases by selecting for long-lived individuals', *Experimental Gerontology*, 38(6), pp. 673–681. doi: 10.1016/S0531-5565(03)00057-3.

Nunney, L. (1996) 'THE RESPONSE TO SELECTION FOR FAST LARVAL DEVELOPMENT IN *DROSOPHILA MELANOGASTER* AND ITS EFFECT ON ADULT WEIGHT: AN EXAMPLE OF A FITNESS TRADE-OFF', *Evolution*. Wiley/Blackwell (10.1111), 50(3), pp. 1193–1204. doi: 10.1111/j.1558-5646.1996.tb02360.x.

Nussey, D. H. *et al.* (2008) 'Testing for genetic trade-offs between early- and late-life reproduction in a wild red deer population.', *Proceedings. Biological sciences*. The Royal Society, 275(1635), pp. 745–50. doi: 10.1098/rspb.2007.0986.

Nystrand, M. and Dowling, D. K. (2014) 'Transgenerational interactions involving parental age and immune status affect female reproductive success in Drosophila melanogaster.', *Proceedings. Biological sciences*. The Royal Society, 281(1794), p. 20141242. doi: 10.1098/rspb.2014.1242.

Obata, F. and Miura, M. (2015) 'Enhancing S-adenosyl-methionine catabolism extends Drosophila lifespan.', *Nature communications*. Nature Publishing Group, 6, p. 8332. doi: 10.1038/ncomms9332.

Oh, S. W. *et al.* (2005) 'JNK regulates lifespan in Caenorhabditis elegans by modulating nuclear translocation of forkhead transcription factor/DAF-16.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 102(12), pp. 4494–9. doi: 10.1073/pnas.0500749102.

Orentreich, N. *et al.* (1993) 'Low methionine ingestion by rats extends life span.', *The Journal of nutrition*, 123(2), pp. 269–74. doi: 10.1093/jn/123.2.269.

Osterwalder, T. *et al.* (2001) 'A conditional tissue-specific transgene expression system using inducible GAL4.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 98(22), pp. 12596–601. doi: 10.1073/pnas.221303298.

Packard, M. *et al.* (2002) 'The Drosophila Wnt, Wingless, Provides an Essential Signal for Pre- and

Postsynaptic Differentiation', *Cell*. Cell Press, 111(3), pp. 319–330. doi: 10.1016/S0092-8674(02)01047-4.

Parkes, T. L. *et al.* (1998) 'Extension of Drosophila lifespan by overexpression of human SOD1 in motorneurons.', *Nature Genetics*, 19(2), pp. 171–174. doi: 10.1038/534.

Parsons, P. A. (1995) 'Inherited stress resistance and longevity: a stress theory of ageing', *Heredityl5*, pp. 216–221.

Partridge, L. and Andrews, R. (1985) 'The effect of reproductive activity on the longevity of male Drosophila melanogaster is not caused by an acceleration of ageing', *Journal of Insect Physiology*, 31(5), pp. 393–395. doi: 10.1016/0022-1910(85)90084-8.

Partridge, L. and Fowler, K. (1992) 'Direct and Correlated Responses to Selection on Age at Reproduction in Drosophila melanogaster', *Evolution*, 46(1), p. 76. doi: 10.2307/2409806.

Partridge, L., Prowse, N. and Pignatelli, P. (1999) 'Another Set of Responses and Correlated Responses to Selection on Age at Reproduction in Drosophila melanogaster', *Source: Proceedings: Biological Sciences*, 2668867(1416), pp. 255–261.

Pascual, A., Huang, K.-L. and Preat, T. (2005) 'Conditional UAS-targeted repression in Drosophila', *Nucleic Acids Research*, 33(1), pp. e7–e7. doi: 10.1093/nar/gni006.

Peleg, S. *et al.* (2010) 'Altered histone acetylation is associated with age-dependent memory impairment in mice.', *Science (New York, N.Y.)*. American Association for the Advancement of Science, 328(5979), pp. 753–6. doi: 10.1126/science.1186088.

Pérez, V. I. *et al.* (2009) 'Is the oxidative stress theory of aging dead?', *Biochimica et biophysica acta*. NIH Public Access, 1790(10), pp. 1005–14. doi: 10.1016/j.bbagen.2009.06.003.

Perkins, L. A. *et al.* (2015) 'The Transgenic RNAi Project at Harvard Medical School: Resources and Validation', *Genetics*, 201(3), pp. 843–852. doi: 10.1534/genetics.115.180208.

Petzold, A. *et al.* (2013) 'The transcript catalogue of the short-lived fish Nothobranchius furzeri provides insights into age-dependent changes of mRNA levels', *BMC Genomics*. BioMed Central, 14(1), p. 185. doi: 10.1186/1471-2164-14-185.

Pfeiffenberger, C. *et al.* (2010) 'Locomotor activity level monitoring using the Drosophila Activity Monitoring (DAM) System.', *Cold Spring Harbor protocols*. Cold Spring Harbor Laboratory Press, 2010(11), p. pdb.prot5518. doi: 10.1101/PDB.PROT5518.

Plank, M. *et al.* (2012) 'A meta-analysis of caloric restriction gene expression profiles to infer

common signatures and regulatory mechanisms', *Molecular BioSystems*, 8(4), p. 1339. doi: 10.1039/c2mb05255e.

Pletcher, S. D. *et al.* (2002) 'Genome-Wide Transcript Profiles in Aging and Calorically Restricted Drosophila melanogaster', *Current Biology*. Cell Press, 12(9), pp. 712–723. doi: 10.1016/S0960-9822(02)00808-4.

Poirier, L. *et al.* (2008) 'Characterization of the Drosophila Gene-Switch system in aging studies: a cautionary tale', *Aging Cell*, 7(5), pp. 758–770. doi: 10.1111/j.1474-9726.2008.00421.x.

Powers, R. W. *et al.* (2006) 'Extension of chronological life span in yeast by decreased TOR pathway signaling.', *Genes & development*. Cold Spring Harbor Laboratory Press, 20(2), pp. 174–84. doi: 10.1101/gad.1381406.

Pretzlaff, R. and Arking, R. (1989) 'Patterns of amino acid incorporation in long-lived genetic strains of Drosophila melanogaster.', *Experimental gerontology*, 24(1), pp. 67–81.

Promislow, D. E. *et al.* (1996) 'Age-specific patterns of genetic variance in Drosophila melanogaster. I. Mortality.', *Genetics*, 143(2), pp. 839–48.

Promislow, D. E. L. and Bugbee, M. (2000) 'Direct and correlated responses to selection on age at physiological maturity in Drosophila simulans', *Journal of Evolutionary Biology*. Blackwell Science Ltd, 13(6), pp. 955–966. doi: 10.1046/j.1420-9101.2000.00240.x.

Promislow, D. E. L. and Haselkorn, T. S. (2002) 'Age-specific metabolic rates and mortality rates in the genus Drosophila', *Aging Cell*. Wiley/Blackwell (10.1111), 1(1), pp. 66–74. doi: 10.1046/j.1474-9728.2002.00009.x.

R Core Team (2018) 'R: A language and environment for statistical computing.' Vienna, Austria: R Foundation for Statistical Computing.

Rai, M. F. *et al.* (2017) 'Advantages of RNA-seq Compared to RNA Microarrays for Transcriptome Profiling of Anterior Cruciate Ligament Tears', *Journal of Orthopaedic Research*. doi: 10.1002/jor.23661.

Rappolee, D. A. *et al.* (1988) 'Wound macrophages express TGF-alpha and other growth factors in vivo: analysis by mRNA phenotyping.', *Science (New York, N.Y.)*, 241(4866), pp. 708–12.

Rattan, S. I. S. (2008) 'Increased molecular damage and heterogeneity as the basis of aging', *Biological Chemistry*. Walter de Gruyter, 389(3), pp. 267–272. doi: 10.1515/BC.2008.030.

Reilein, A. *et al.* (2017) 'Alternative direct stem cell derivatives defined by stem cell location and

graded Wnt signalling', *Nature Cell Biology*. Nature Publishing Group, 19(5), pp. 433–444. doi: 10.1038/ncb3505.

Van Remmen, H. *et al.* (2003) 'Life-long reduction in MnSOD activity results in increased DNA damage and higher incidence of cancer but does not accelerate aging', *Physiological Genomics*. American Physiological Society, 16(1), pp. 29–37. doi: 10.1152/physiolgenomics.00122.2003.

Remolina, S. C. *et al.* (2012) 'GENOMIC BASIS OF AGING AND LIFE-HISTORY EVOLUTION IN *DROSOPHILA MELANOGASTER*', *Evolution*. Blackwell Publishing Inc, 66(11), pp. 3390–3403. doi: 10.1111/j.1558-5646.2012.01710.x.

Reynolds, L. M. *et al.* (2015) 'Transcriptomic profiles of aging in purified human immune cells', *BMC Genomics*, 16(1), p. 333. doi: 10.1186/s12864-015-1522-4.

Ricklefs, R. E. (2010) 'Life-history connections to rates of aging in terrestrial vertebrates.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 107(22), pp. 10314–9. doi: 10.1073/pnas.1005862107.

Riha, V. F. and Luckinbill, L. S. (1996) 'Selection for Longevity Favors Stringent Metabolic Control in Drosophila melanogaster', *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences*. Oxford University Press, 51A(4), pp. B284–B294. doi: 10.1093/gerona/51A.4.B284.

Rogina, B. *et al.* (2000) 'Extended Life-Span Conferred by Cotransporter Gene Mutations in Drosophila', *Science*, 290(5499).

Rohmer, C. *et al.* (2004) 'Heat induced male sterility in Drosophila melanogaster: adaptive genetic variations among geographic populations and role of the Y chromosome', *Journal of Experimental Biology*, 207(16), pp. 2735–2743. doi: 10.1242/jeb.01087.

Roman, G. *et al.* (2001) 'P[Switch], a system for spatial and temporal control of gene expression in Drosophila melanogaster.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 98(22), pp. 12602–7. doi: 10.1073/pnas.221303998.

Roper, C., Pignatelli, P. and Partridge, L. (1993) 'Evolutionary Effects of Selection on Age at Reproduction in Larval and Adult Drosophila', *Evolution*, 47(472), pp. 445–455.

Roper, C., Pignatelli, P. and Partridge, L. (1993) 'Evolutionary responses of Drosophila melanogaster life history to differences in larval density', *Journal of Evolutionary Biology*. Blackwell Science Ltd, 9(5), pp. 609–622. doi: 10.1046/j.1420-9101.1996.9050609.x.

Rorth, P. *et al.* (1998) 'Systematic gain-of-function genetics in Drosophila', *Development*, 125(6).

Rose, M. and Charlesworth, B. (1980) 'A test of evolutionary theories of senescence', *Nature*. Nature Publishing Group, 287(5778), pp. 141–142. doi: 10.1038/287141a0.

Rose, M. R. (1984) 'Laboratory Evolution of Postponed Senescence in Drosophila melanogaster', *Source: Evolution*, 38(5), pp. 1004–1010.

Rose, M. R. (1985) 'Life history evolution with antagonistic pleiotropy and overlapping generations', *Theoretical Population Biology*, 28(3), pp. 342–358. doi: 10.1016/0040-5809(85)90034-6.

Rose, M. R. *et al.* (1992) 'Selection on stress resistance increases longevity in Drosophila melanogaster', *Experimental Gerontology*, 27(2), pp. 241–250. doi: 10.1016/0531-5565(92)90048-5.

Rose, M. R. and Charlesworth, B. (1981a) 'Genetics of life history in Drosophila melanogaster. I. Sib analysis of adult females.', *Genetics*. Genetics Society of America, 97(1), pp. 173–86.

Rose, M. R. and Charlesworth, B. (1981b) 'Genetics of life history in Drosophila melanogaster. II. Exploratory selection experiments.', *Genetics*, 97(1), pp. 187–196.

Ross, C. *et al.* (2015) 'Metabolic consequences of long-term rapamycin exposure on common marmoset monkeys (Callithrix jacchus).', *Aging*. Impact Journals, LLC, 7(11), pp. 964–73. doi: 10.18632/aging.100843.

RStudio Team (2016) 'RStudio: Integrated Development for R'. Boston, MA: RStudio, Inc.

Rübe, C. E. *et al.* (2011) 'Accumulation of DNA Damage in Hematopoietic Stem and Progenitor Cells during Human Aging', *PLoS ONE*. Edited by M. Freitag. Public Library of Science, 6(3), p. e17487. doi: 10.1371/journal.pone.0017487.

Rzezniczak, T. Z. *et al.* (2011) 'Paraquat administration in Drosophila for use in metabolic studies of oxidative stress', *Analytical Biochemistry*. Academic Press, 419(2), pp. 345–347. doi: 10.1016/J.AB.2011.08.023.

Salway, K. D. *et al.* (2011) 'Higher levels of heat shock proteins in longer-lived mammals and birds', *Mechanisms of Ageing and Development*, 132(6–7), pp. 287–297. doi: 10.1016/j.mad.2011.06.002.

Sanders, J. L. and Newman, A. B. (2013) 'Telomere Length in Epidemiology: A Biomarker of Aging, Age-Related Disease, Both, or Neither?', *Epidemiologic Reviews*. Oxford University Press, 35(1), pp. 112–131. doi: 10.1093/epirev/mxs008.

Sarup, P. *et al.* (2012) 'The Metabolic Profile of Long-Lived Drosophila melanogaster', *PLoS ONE*. Edited by S. Broughton. Public Library of Science, 7(10), p. e47461. doi: 10.1371/journal.pone.0047461.

Sarup, P., Sørensen, P. and Loeschcke, V. (2011) 'Flies selected for longevity retain a young gene expression profile', *AGE*, 33(1), pp. 69–80. doi: 10.1007/s11357-010-9162-8.

Sarup, P., Sørensen, P. and Loeschcke, V. (2014) 'The long-term effects of a life-prolonging heat treatment on the Drosophila melanogaster transcriptome suggest that heat shock proteins extend lifespan', *Experimental Gerontology*, 50, pp. 34–39. doi: 10.1016/j.exger.2013.11.017.

Scannapieco, A. C., Sambucetti, P. and Norry, F. M. (2009) 'Direct and correlated responses to selection for longevity in Drosophila buzzatii', *Biological Journal of the Linnean Society*, 97(4), pp. 738–748. doi: 10.1111/j.1095-8312.2009.01223.x.

Schena, M. *et al.* (1995) 'Quantitative monitoring of gene expression patterns with a complementary DNA microarray.', *Science (New York, N.Y.)*, 270(5235), pp. 467–70.

Schlötterer, C. *et al.* (2015) 'Combining experimental evolution with next-generation sequencing: a powerful tool to study adaptation from standing genetic variation', *Heredity*. Nature Publishing Group, 114(5), pp. 431–440. doi: 10.1038/hdy.2014.86.

Schriner, S. E. *et al.* (2005) 'Extension of murine life span by overexpression of catalase targeted to mitochondria.', *Science (New York, N.Y.)*. American Association for the Advancement of Science, 308(5730), pp. 1909–11. doi: 10.1126/science.1106653.

Schumpert, C. *et al.* (2014) 'Relationship between heat shock protein 70 expression and life span in Daphnia.', *Mechanisms of ageing and development*. NIH Public Access, 139, pp. 1–10. doi: 10.1016/j.mad.2014.04.001.

Seim, I. *et al.* (2013) 'Genome analysis reveals insights into physiology and longevity of the Brandt's bat Myotis brandtii', *Nature Communications*, 4. doi: 10.1038/ncomms3212.

Seim, I. *et al.* (2014) 'The transcriptome of the bowhead whale Balaena mysticetus reveals adaptations of the longest-lived mammal.', *Aging*. Impact Journals, LLC, 6(10), pp. 879–99. doi: 10.18632/aging.100699.

Selman, C., Partridge, L. and Withers, D. J. (2011) 'Replication of Extended Lifespan Phenotype in Mice with Deletion of Insulin Receptor Substrate 1', *PLoS ONE*. Edited by M. Kaeberlein. Public Library of Science, 6(1), p. e16144. doi: 10.1371/journal.pone.0016144.

Seong, K. M. *et al.* (2015) 'Curcumin Mitigates Accelerated Aging after Irradiation in Drosophila by Reducing Oxidative Stress', *BioMed Research International*, 2015, pp. 1–8. doi: 10.1155/2015/425380.

Seong, K. M. *et al.* (2017) 'Changes in Neuronal Signaling and Cell Stress Response Pathways are Associated with a Multigenic Response of Drosophila melanogaster to DDT Selection.', *Genome biology and evolution*. Oxford University Press, 9(12), pp. 3356–3372. doi: 10.1093/gbe/evx252.

Service, P. M. *et al.* (1985) 'Resistance to Environmental Stress in Drosophila melanogaster Selected for Postponed Senescence', *Source: Physiological Zoology*, 58(4), pp. 380–389.

Service, P. M. (1987) 'Physiological Mechanisms of Increased Stress Resistance in Drosophila melanogaster Selected for Postponed Senescence', *Physiological Zoology*. University of Chicago Press , 60(3), pp. 321–326. doi: 10.1086/physzool.60.3.30162285.

Serway, C. N. *et al.* (2009) 'Mushroom Bodies Enhance Initial Motor Activity in *drosophila*', *Journal of Neurogenetics*, 23(1–2), pp. 173–184. doi: 10.1080/01677060802572895.

Sgrò, C. M. *et al.* (2000) 'Selection on age at reproduction in Drosophila melanogaster: female mating frequency as a correlated response.', *Evolution; international journal of organic evolution*, 54(6), pp. 2152–5.

Sgrò, C. M. and Partridge, L. (2000) 'Evolutionary Responses of the Life History of Wild-Caught Drosophila melanogaster to Two Standard Methods of Laboratory Culture', *Partridge Source: The American Naturalist*, 156(4), pp. 341–353. doi: 10.1086/303394.

Sgrò, C. M. and Partridge, L. (2001) 'Laboratory adaptation of life history in Drosophila.', *The American naturalist*. The University of Chicago Press , 158(6), pp. 657–8. doi: 10.1086/323592.

Shattuck, M. R. and Williams, S. A. (2010) 'Arboreality has allowed for the evolution of increased longevity in mammals.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 107(10), pp. 4635–9. doi: 10.1073/pnas.0911439107.

Shen, J. *et al.* (2009) 'A screen of apoptosis and senescence regulatory genes for life span effects when over-expressed in Drosophila', *Aging*, 1(2), pp. 191–211. doi: 10.18632/aging.100018.

Simonsen, A. *et al.* (2008) 'Promoting basal levels of autophagy in the nervous system enhances longevity and oxidant resistance in adult Drosophila.', *Autophagy*, 4(2), pp. 176–84.

Singh, R. *et al.* (2001) 'Advanced glycation end-products: a review', *Diabetologia*. Springer-Verlag, 44(2), pp. 129–146. doi: 10.1007/s001250051591.

Sluss, H. K. *et al.* (1996) 'A JNK signal transduction pathway that mediates morphogenesis and an immune response in Drosophila.', *Genes & development*. Cold Spring Harbor Laboratory Press, 10(21), pp. 2745–58. doi: 10.1101/GAD.10.21.2745.

Sohal, R. S. *et al.* (1994) 'Effect of age and caloric restriction on DNA oxidative damage in different tissues of C57BL/6 mice.', *Mechanisms of ageing and development*, 76(2–3), pp. 215–24.

Sokal, R. R. (1970) 'Senescence and genetic load: evidence from Tribolium.', *Science (New York, N.Y.)*, 167(3926), pp. 1733–4.

Sørensen, J. G., Nielsen, M. M. and Loeschcke, V. (2007) 'Gene expression profile analysis of Drosophila melanogaster selected for resistance to environmental stressors', *Journal of Evolutionary Biology*, 20(4), pp. 1624–1636. doi: 10.1111/j.1420-9101.2007.01326.x.

Sørensen, J. G., Nielsen, M. M. and Loeschcke, V. R. (2007) 'Gene expression profile analysis of Drosophila melanogaster selected for resistance to environmental stressors', *Journal of Evolutionary Biology*. Blackwell Publishing Ltd, 20(4), pp. 1624–1636. doi: 10.1111/j.1420-9101.2007.01326.x.

Southworth, L. K., Owen, A. B. and Kim, S. K. (2009) 'Aging Mice Show a Decreasing Correlation of Gene Expression within Genetic Modules', *PLoS Genetics*. Edited by G. P. Copenhaver. Public Library of Science, 5(12), p. e1000776. doi: 10.1371/journal.pgen.1000776.

Speakman, J. R. (2005) 'Body size, energy metabolism and lifespan', *Journal of Experimental Biology*, 208(9).

Spiess, E. B. and Spiess, L. D. (1966) 'Selection for rate of development and gene arrangement frequencies in Drosophila persimilis. II. Fitness properties at equilibrium.', *Genetics*. Genetics Society of America, 53(4), pp. 695–708.

Sprott, R. L. (2010) 'Biomarkers of aging and disease: Introduction and definitions', *Experimental Gerontology*, 45(1), pp. 2–4. doi: 10.1016/j.exger.2009.07.008.

Stearns, S. C. (1976) 'Life-History Tactics: A Review of the Ideas', *The Quarterly Review of Biology*, 51(1), pp. 3–47. doi: 10.1086/409052.

Stearns, S. C. (1992) *The evolution of life histories*.

Subramanian, A. *et al.* (2005) 'Gene set enrichment analysis: a knowledge-based approach for interpreting genome-wide expression profiles.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 102(43), pp. 15545–50. doi: 10.1073/pnas.0506580102.

Supek, F. *et al.* (2011) 'REVIGO Summarizes and Visualizes Long Lists of Gene Ontology Terms', *PLoS ONE*. Edited by C. Gibas. Public Library of Science, 6(7), p. e21800. doi: 10.1371/journal.pone.0021800.

Tanji, T. and Ip, Y. T. (2005) 'Regulators of the Toll and Imd pathways in the Drosophila innate immune response', *Trends in Immunology*. Elsevier Current Trends, 26(4), pp. 193–198. doi: 10.1016/J.IT.2005.02.006.

Tao, D. *et al.* (2004) 'Trichostatin A extends the lifespan of Drosophila melanogaster by elevating hsp22 expression.', *Acta biochimica et biophysica Sinica*, 36(9), pp. 618–22.

Tardif, S. *et al.* (2015) 'Testing Efficacy of Administration of the Antiaging Drug Rapamycin in a Nonhuman Primate, the Common Marmoset', *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences*, 70(5), pp. 577–588. doi: 10.1093/gerona/glu101.

Tatar, M. *et al.* (2001) 'A Mutant Drosophila Insulin Receptor Homolog That Extends Life-Span and Impairs Neuroendocrine Function', *Science*, 292(5514), pp. 107–110. doi: 10.1126/science.1057987.

Tatar, M., Bartke, A. and Antebi, A. (2003) 'The endocrine regulation of aging by insulin-like signals.', *Science (New York, N.Y.)*. American Association for the Advancement of Science, 299(5611), pp. 1346–51. doi: 10.1126/science.1081447.

Thalacker-Mercer, A. E. *et al.* (2010) 'Differential genomic responses in old vs. young humans despite similar levels of modest muscle damage after resistance loading.', *Physiological genomics*. American Physiological Society, 40(3), pp. 141–9. doi: 10.1152/physiolgenomics.00151.2009.

Therneau, T. M. (2015) 'A Package for Survival Analysis in S'. Comprehensive R Archive Network (CRAN).

Timmers, S. *et al.* (2011) 'Calorie Restriction-like Effects of 30 Days of Resveratrol Supplementation on Energy Metabolism and Metabolic Profile in Obese Humans', *Cell Metabolism*. Cell Press, 14(5), pp. 612–622. doi: 10.1016/J.CMET.2011.10.002.

Tissenbaum, H. A. and Guarente, L. (2001) 'Increased dosage of a sir-2 gene extends lifespan in Caenorhabditis elegans', *Nature*. Nature Publishing Group, 410(6825), pp. 227–230. doi: 10.1038/35065638.

Toivonen, J. M. *et al.* (2007) 'No Influence of Indy on Lifespan in Drosophila after Correction for Genetic and Cytoplasmic Background Effects', *PLoS Genetics*. Public Library of Science, 3(6), p. e95. doi: 10.1371/journal.pgen.0030095.

Toroser, D., Orr, W. C. and Sohal, R. S. (2007) 'Carbonylation of mitochondrial proteins in Drosophila melanogaster during aging', *Biochemical and Biophysical Research Communications*, 363(2), pp. 418–424. doi: 10.1016/j.bbrc.2007.08.193.

Tower, J. (2011) 'Heat shock proteins and Drosophila aging.', *Experimental gerontology*. NIH Public Access, 46(5), pp. 355–62. doi: 10.1016/j.exger.2010.09.002.

Trifunovic, A. *et al.* (2004) 'Premature ageing in mice expressing defective mitochondrial DNA polymerase', *Nature*. Nature Publishing Group, 429(6990), pp. 417–423. doi: 10.1038/nature02517.

Trifunovic, A. *et al.* (2005) 'Somatic mtDNA mutations cause aging phenotypes without affecting reactive oxygen species production.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 102(50), pp. 17993–8. doi: 10.1073/pnas.0508886102.

Tu, M.-P. and Tatar, M. (2003) 'Juvenile diet restriction and the aging and reproduction of adult Drosophila melanogaster', *Aging Cell*. Wiley/Blackwell (10.1111), 2(6), pp. 327–333. doi: 10.1046/j.1474-9728.2003.00064.x.

Tubbs, A. and Nussenzweig, A. (2017) 'Endogenous DNA Damage as a Source of Genomic Instability in Cancer', *Cell*, 168(4), pp. 644–656. doi: 10.1016/j.cell.2017.01.002.

Tweedie, S. *et al.* (2009) 'FlyBase: enhancing Drosophila Gene Ontology annotations', *Nucleic Acids Research*. Oxford University Press, 37(Database), pp. D555–D559. doi: 10.1093/nar/gkn788.

Ueda, M. *et al.* (2018) 'Identification of *miR-305* , a microRNA that promotes aging, and its target mRNAs in *Drosophila*', *Genes to Cells*, 23(2), pp. 80–93. doi: 10.1111/gtc.12555.

Usman, T. *et al.* (2017) 'Unmapped reads from cattle RNAseq data: A source for missing and misassembled sequences in the reference assemblies and for detection of pathogens in the host', *Genomics*, 109(1), pp. 36–42. doi: 10.1016/j.ygeno.2016.11.009.

Valli, A., Harris, A. L. and Kessler, B. M. (2015) 'Hypoxia metabolism in ageing.', *Aging*. Impact Journals, LLC, 7(7), pp. 465–6. doi: 10.18632/aging.100782.

Vellai, T. *et al.* (2003) 'Genetics: Influence of TOR kinase on lifespan in C. elegans', *Nature*. Nature Publishing Group, 426(6967), pp. 620–620. doi: 10.1038/426620a.

Vermulst, M. *et al.* (2007) 'Mitochondrial point mutations do not limit the natural lifespan of mice', *Nature Genetics*, 39(4), pp. 540–543. doi: 10.1038/ng1988.

Vijendravarma, R. K., Narasimha, S. and Kawecki, T. J. (2010) 'Effects of parental larval diet on egg size and offspring traits in Drosophila', *Biology Letters*, 6(2), pp. 238–241. doi: 10.1098/rsbl.2009.0754.

Wang, C. *et al.* (2004) 'Statistical methods for testing effects on "'maximum lifespan'"'. doi:

10.1016/j.mad.2004.07.003.

Wang, J. *et al.* (2009) 'Disease-Aging Network Reveals Significant Roles of Aging Genes in Connecting Genetic Diseases', *PLoS Computational Biology*. Edited by D. B. Searls. Public Library of Science, 5(9), p. e1000521. doi: 10.1371/journal.pcbi.1000521.

Wang, M. C., Bohmann, D. and Jasper, H. (2003) 'JNK Signaling Confers Tolerance to Oxidative Stress and Extends Lifespan in Drosophila', *Developmental Cell*. Cell Press, 5(5), pp. 811–816. doi: 10.1016/S1534-5807(03)00323-X.

Wang, M. C., Bohmann, D. and Jasper, H. (2005) 'JNK Extends Life Span and Limits Growth by Antagonizing Cellular and Organism-Wide Responses to Insulin Signaling', *Cell*. Cell Press, 121(1), pp. 115–125. doi: 10.1016/J.CELL.2005.02.030.

Wang, Z., Gerstein, M. and Snyder, M. (2009) 'RNA-Seq: a revolutionary tool for transcriptomics.', *Nature reviews. Genetics*. NIH Public Access, 10(1), pp. 57–63. doi: 10.1038/nrg2484.

Webster, G. C. and Webster, S. L. (1979) 'Decreased protein synthesis by microsomes from aging Drosophila melanogester', *Experimental Gerontology*. Pergamon, 14(6), pp. 343–348. doi: 10.1016/0531-5565(79)90047-0.

Webster, G. C. and Webster, S. L. (1983) 'Decline in synthesis of elongation factor one (EF-1) precedes the decreased synthesis of total protein in aging Drosophila melanogaster', *Mechanisms of Ageing and Development*. Elsevier, 22(2), pp. 121–128. doi: 10.1016/0047-6374(83)90105-7.

Wehr, N. B. and Levine, R. L. (2012) 'Quantitation of protein carbonylation by dot blot.', *Analytical biochemistry*. NIH Public Access, 423(2), pp. 241–5. doi: 10.1016/j.ab.2012.01.031.

Weigmann, K. *et al.* (2003) 'FlyMove - A new way to look at development of Drosophila', *Trends in Genetics*, 19(6), pp. 310–311. doi: 10.1016/S0168-9525(03)00050-7.

Whitaker, R. *et al.* (2014) 'Dietary switch reveals fast coordinated gene expression changes in Drosophila melanogaster.', *Aging*. Impact Journals, LLC, 6(5), pp. 355–68. doi: 10.18632/aging.100662.

Wilkinson, J. E. *et al.* (2012) 'Rapamycin slows aging in mice', *Aging Cell*. Wiley/Blackwell (10.1111), 11(4), pp. 675–682. doi: 10.1111/j.1474-9726.2012.00832.x.

Williams, G. C. (1957) 'Pleiotropy, Natural Selection, and the Evolution of Senescence', *Evolution*, 11(4), p. 398. doi: 10.2307/2406060.

Wilson, R. H. *et al.* (2013) 'Genomic response to selection for postponed senescence in Drosophila',

Mechanisms of Ageing and Development, 134(3–4), pp. 79–88. doi: 10.1016/j.mad.2012.11.003.

Winnebeck, E. C., Millar, C. D. and Warman, G. R. (2010) 'Why does insect RNA look degraded?', *Journal of insect science (Online)*. Oxford University Press, 10, p. 159. doi: 10.1673/031.010.14119.

Wit, J. *et al.* (2013) 'Confirming candidate genes for longevity by RT-qPCR using two different genetic backgrounds and selection methods', *Journal of Insect Physiology*, 59(3), pp. 255–262. doi: 10.1016/j.jinsphys.2013.01.005.

Wong, R. *et al.* (2009) 'Quantification of Food Intake in Drosophila', *PLoS ONE*. Edited by N. E. Raine. John Wiley & Sons. Ltd, 4(6), p. e6063. doi: 10.1371/journal.pone.0006063.

Wood, J. G. *et al.* (2010) 'Chromatin remodeling in the aging genome of Drosophila', *Aging Cell*. Blackwell Publishing Ltd, 9(6), pp. 971–978. doi: 10.1111/j.1474-9726.2010.00624.x.

Wood, S. H. *et al.* (2015) 'Transcriptome analysis in calorie-restricted rats implicates epigenetic and post-translational mechanisms in neuroprotection and aging', *Genome Biology*, 16(1), p. 285. doi: 10.1186/s13059-015-0847-2.

Yanders, A. F. (1965) 'A Relationship between Sex Ratio and Paternal Age in Drosophila.', *Genetics*. Genetics Society of America, 51(3), pp. 481–6.

Yang, J. *et al.* (2015) 'Synchronized age-related gene expression changes across multiple tissues in human and the link to complex diseases', *Scientific Reports*. Nature Publishing Group, 5(1), p. 15145. doi: 10.1038/srep15145.

Yang, J. and Tower, J. (2009) 'Expression of hsp22 and hsp70 transgenes is partially predictive of drosophila survival under normal and stress conditions.', *The journals of gerontology. Series A, Biological sciences and medical sciences*. Oxford University Press, 64(8), pp. 828–38. doi: 10.1093/gerona/glp054.

Yu, C. *et al.* (2011) 'RNA Sequencing Reveals Differential Expression of Mitochondrial and Oxidation Reduction Genes in the Long-Lived Naked Mole-Rat When Compared to Mice', *PLoS ONE*. Edited by M. Kaeberlein. Public Library of Science, 6(11), p. e26729. doi: 10.1371/journal.pone.0026729.

Zahn, J. M. *et al.* (2006) 'Transcriptional profiling of aging in human muscle reveals a common aging signature.', *PLoS genetics*. Public Library of Science, 2(7), p. e115. doi: 10.1371/journal.pgen.0020115.eor.

Zhao, S. *et al.* (2014) 'Comparison of RNA-Seq and Microarray in Transcriptome Profiling of Activated T Cells', *PLoS ONE*. Edited by S.-D. Zhang. Public Library of Science, 9(1), p. e78644. doi:

10.1371/journal.pone.0078644.

Zhao, Y. *et al.* (2005) 'Lifespan extension and elevated hsp gene expression in Drosophila caused by histone deacetylase inhibitors.', *The Journal of experimental biology*. The Company of Biologists Ltd, 208(Pt 4), pp. 697–705. doi: 10.1242/jeb.01439.

Zou, S. *et al.* (2000) 'Genome-wide study of aging and oxidative stress response in Drosophila melanogaster.', *Proceedings of the National Academy of Sciences of the United States of America*. National Academy of Sciences, 97(25), pp. 13726–31. doi: 10.1073/pnas.260496697.

Zwaan, B., Bijlsma, R. and Hoekstra, R. F. (1995) 'Direct Selection on Life Span in Drosophila melanogaster', *Evolution*, 49(4), p. 649. doi: 10.2307/2410318.

Appendix 1 – Correlated Responses

1 Summary

Presented here are the results for the correlated responses in Chapter 3, split into the separate lines and generations for a clearer view of the differences between the individual lines within each regime.

2 Contents

3 Generation 3

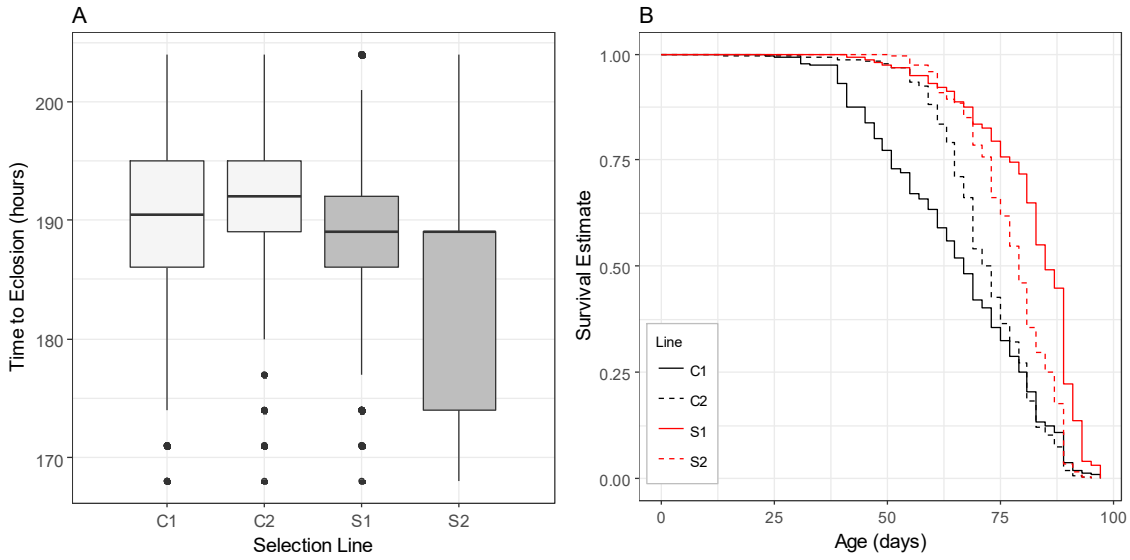

Figure 1. Measured life history characteristics after 3 generations of selection. (A) Larvae-to-adult development time (n=30). (B) Survival at 25°C.

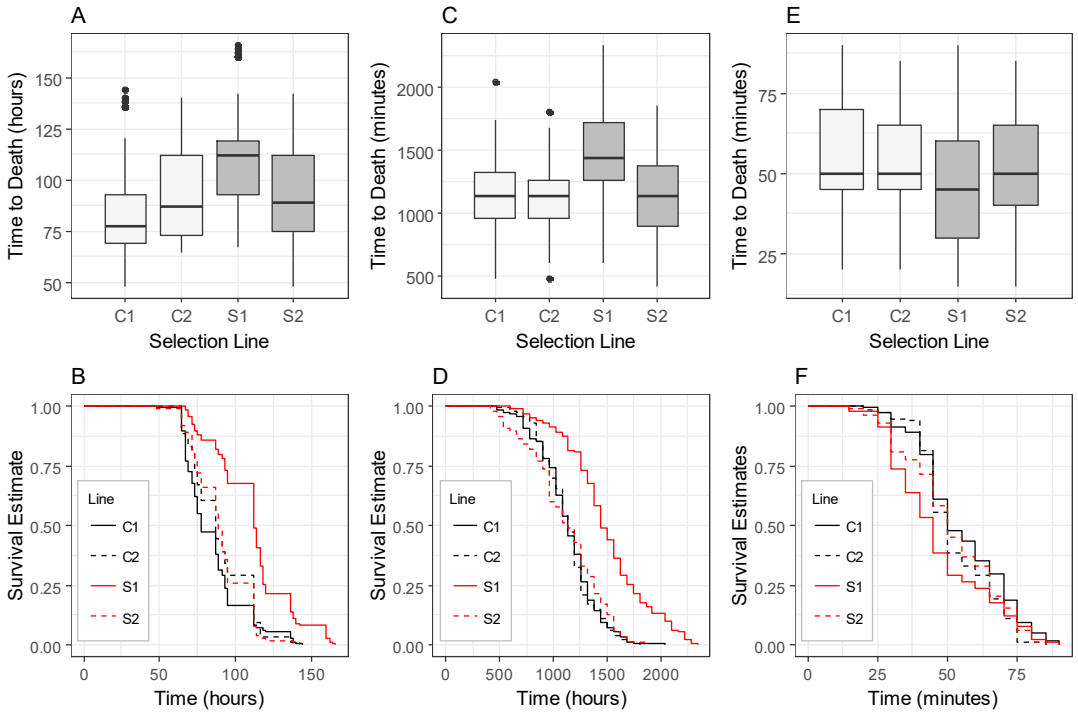

Figure 2. Stress resistance assays after 3 generations of selection. Each experiment is represented by two figures, a box plot and a Kaplan-Meir survival curve. (A+B) Starvation resistance. (C+D) Desiccation resistance. (E+F) Heat stress (38°C) resistance.

4 Generation 5

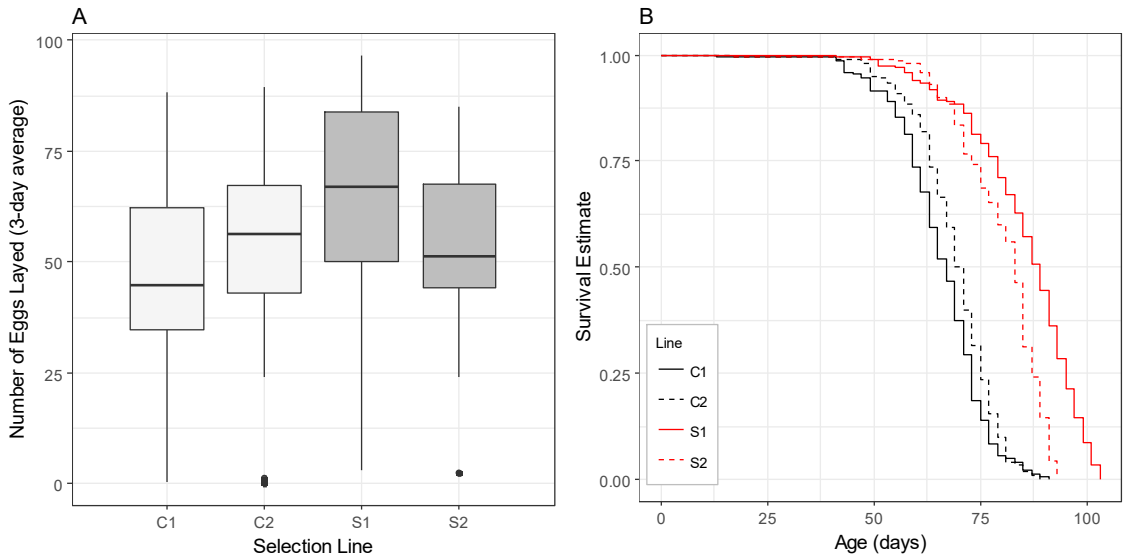

Figure 3. There was no effect of longevity selection on early fecundity after 5 generations of selection. (A) Fecundity over a three-day period beginning at age 4. (B) Survival at 25°C.

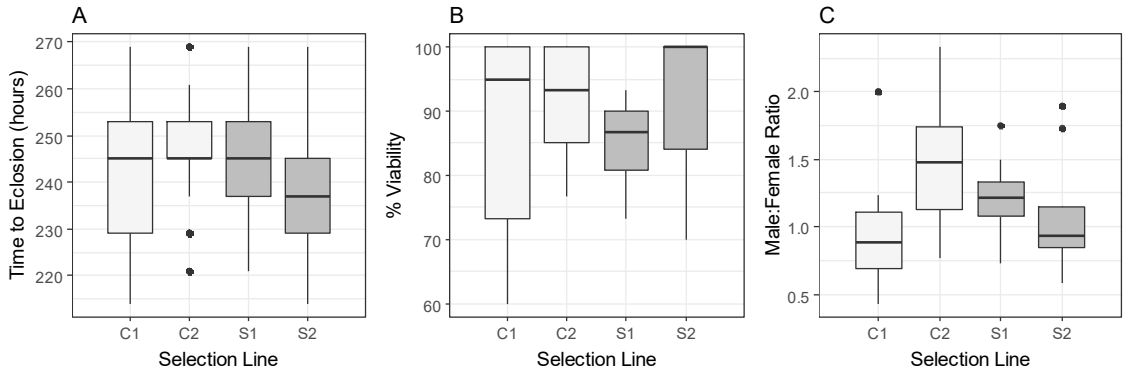

Figure 4. Developmental life history characteristics after 5 generations of selection. (A) Egg-to-adult development time. (B) Larval viability. (C) Ratio of males to females.

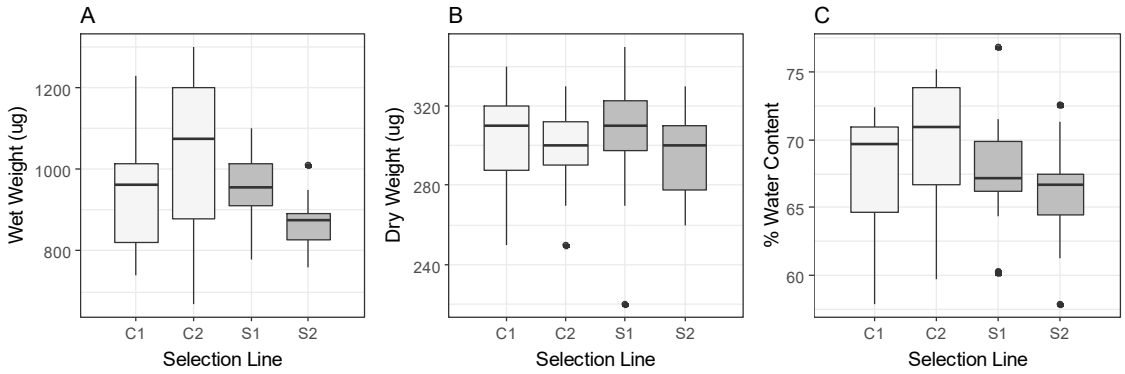

Figure 5. Body weight life history characteristics after 5 generations of selection. (A) Wet weight of live flies. (B) Dry weight after 24 hours drying at 45°C. (C) Percent of body weight explained by water.

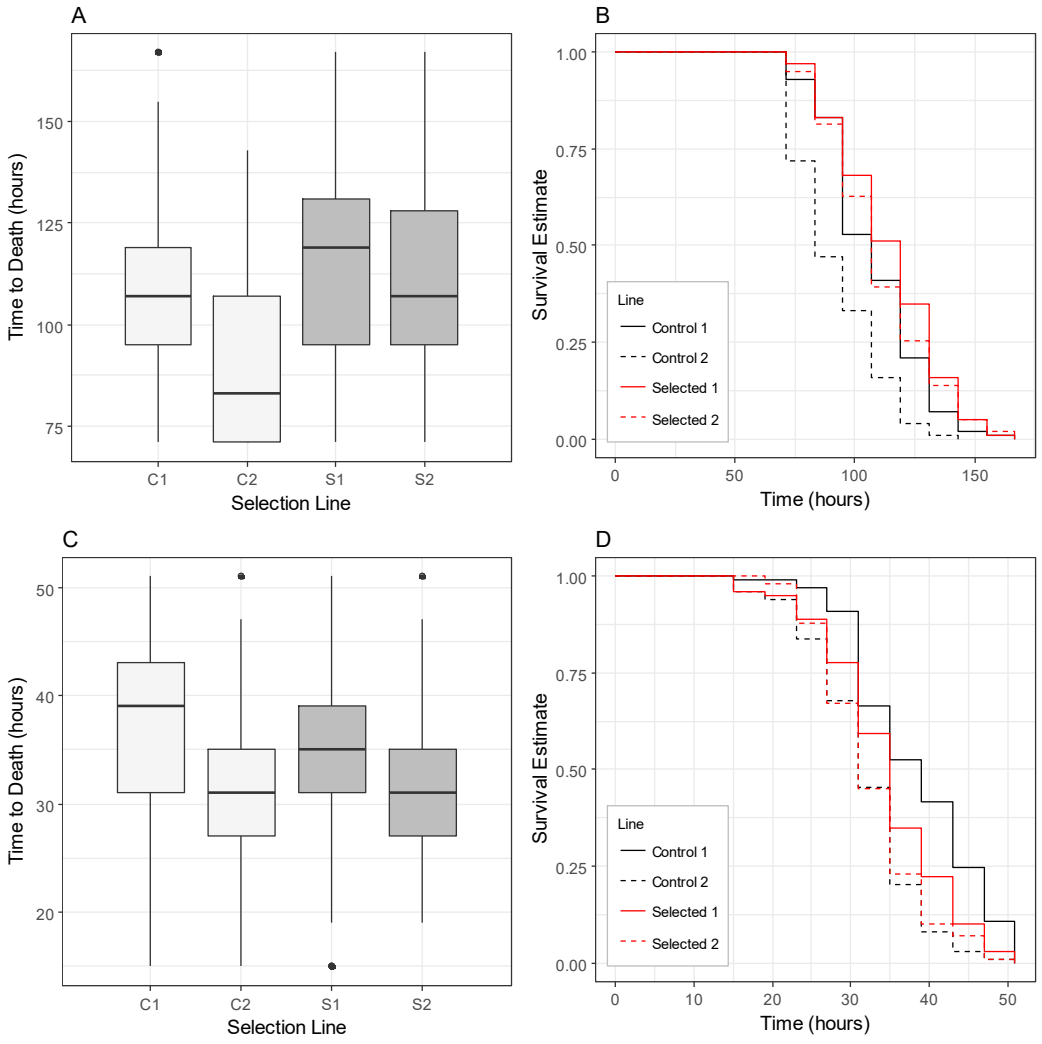

Figure 6. Stress resistance assays after 5 generations of selection. Each experiment is represented by two figures, a box plot and a Kaplan-Meir survival curve. (A+B) Starvation resistance. (C+D) Desiccation resistance.

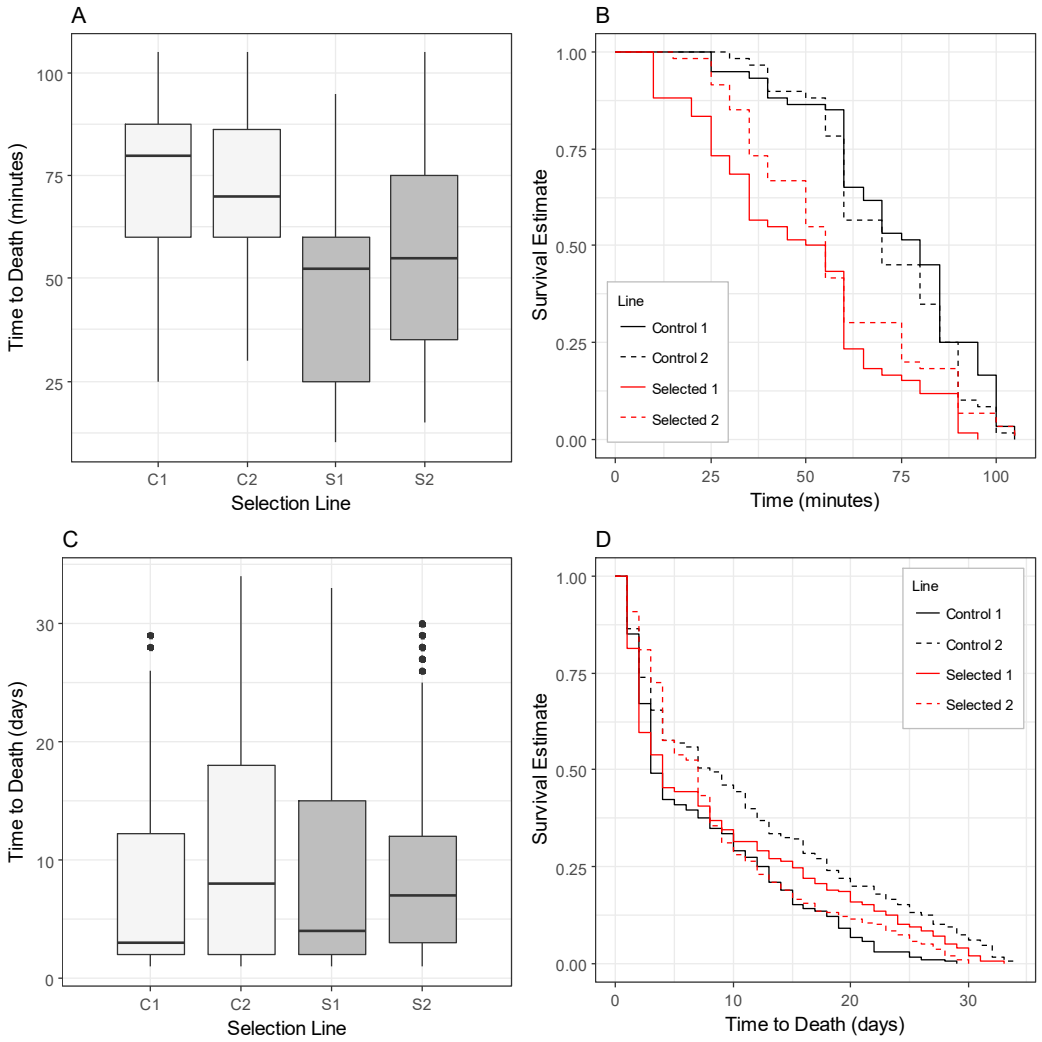

Figure 7. Stress resistance assays after 5 generations of selection. Each experiment is represented by two figures, a box plot and a Kaplan-Meir survival curve. (A+B) Heat stress resistance at 38°C. (C+D) Oxidative stress resistance of flies fed 20mM paraquat mixed into stock medium.

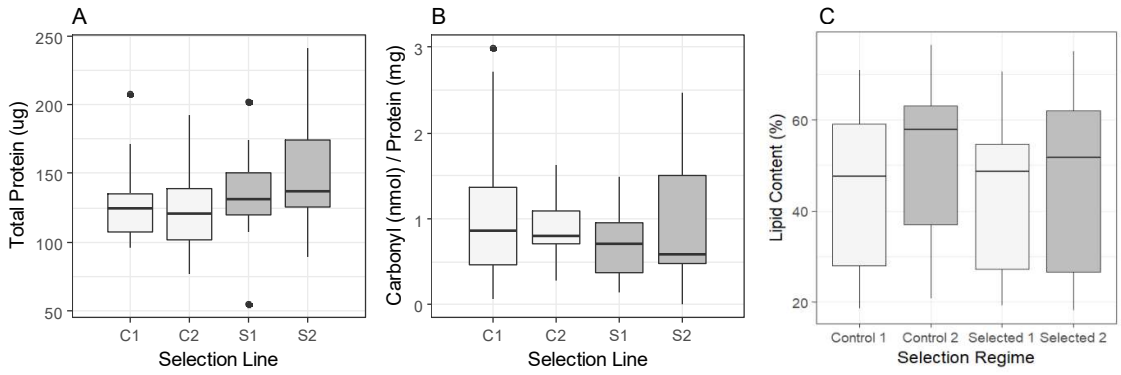

Figure 8. Molecular measures of functional ageing. (A) Total protein measured by BCA assay (n=16). (B) Protein carbonylation measured by dot blot, expressed as nmols carbonyl per mg total protein (n=16). (C) Percentage of dry body weight explained by lipid content.

APPENDIX 3 -topGO analysis

Presented here are the results of the topGO enrichment analysis on the RNA-Seq results in chapter 4.

GO.ID	Term	Annotated	Significant	Expected	ks	direction	rank
GO:0007298	border follicle cell migration	45	25	16.15	2.20E-07	8.85	1
GO:0007391	dorsal closure	44	19	15.79	2.40E-06	3.21	2
GO:0007422	peripheral nervous system development	36	19	12.92	5.60E-06	6.08	3
GO:0007601	visual perception	34	18	12.2	8.50E-05	5.8	4
GO:0048477	oogenesis	222	89	79.69	0.00017	9.31	5
GO:0008045	motor neuron axon guidance	28	11	10.05	0.00023	0.95	6
GO:0043966	histone H3 acetylation	7	7	2.51	0.00042	4.49	7
GO:0010906	regulation of glucose metabolic process	62	21	22.26	0.00087	-1.26	8
GO:0055059	asymmetric neuroblast division	18	11	6.46	0.00092	4.54	9
GO:0007411	axon guidance	92	43	33.02	0.00111	9.98	10
GO:0030178	negative regulation of Wnt signaling pat...	18	7	6.46	0.00113	0.54	11
GO:0001700	embryonic development via the syncytial ...	78	33	28	0.0016	5	12
GO:0016334	establishment or maintenance of polarity...	13	7	4.67	0.00216	2.33	13
GO:0007498	mesoderm development	42	19	15.08	0.0026	3.92	14
GO:0007455	eye-antennal disc morphogenesis	12	7	4.31	0.00261	2.69	15
GO:0032507	maintenance of protein location in cell	11	8	3.95	0.00281	4.05	16
GO:0016339	calcium-dependent cell-cell adhesion via...	11	7	3.95	0.00329	3.05	17
GO:0030718	germ-line stem cell population maintenan...	31	12	11.13	0.00337	0.87	18
GO:0007435	salivary gland morphogenesis	62	18	22.26	0.00374	-4.26	19
GO:0007560	imaginal disc morphogenesis	138	59	49.54	0.004	9.46	20
GO:0018105	peptidyl-serine phosphorylation	20	11	7.18	0.00423	3.82	21
GO:0016318	ommatidial rotation	15	8	5.38	0.0043	2.62	22
GO:0007427	epithelial cell migration, open tracheal...	15	8	5.38	0.00439	2.62	23
GO:0001709	cell fate determination	47	16	16.87	0.00484	-0.87	24
GO:0007173	epidermal growth factor receptor signali...	27	15	9.69	0.00489	5.31	25
GO:0072002	Malpighian tubule development	20	6	7.18	0.00519	-1.18	26
GO:0045475	locomotor rhythm	29	7	10.41	0.00534	-3.41	27
GO:0007517	muscle organ development	48	17	17.23	0.00536	-0.23	28
GO:0045944	positive regulation of transcription fro...	67	20	24.05	0.006	-4.05	29
GO:0016321	female meiosis chromosome segregation	10	5	3.59	0.00621	1.41	30
GO:0001708	cell fate specification	31	7	11.13	0.00636	-4.13	31

GO:0072499	photoreceptor cell axon guidance	14	7	5.03	0.00683	1.97	32
GO:0007349	cellularization	54	27	19.38	0.00685	7.62	33
GO:0006414	translational elongation	12	7	4.31	0.0069	2.69	34
GO:0007444	imaginal disc development	205	79	73.59	0.0071	5.41	35
GO:0008283	cell proliferation	117	47	42	0.00758	5	36
GO:0035556	intracellular signal transduction	221	86	79.33	0.00768	6.67	37
GO:0000122	negative regulation of transcription fro...	37	12	13.28	0.00793	-1.28	38
GO:0007314	oocyte anterior/posterior axis specifica...	36	17	12.92	0.00804	4.08	39
GO:0008354	germ cell migration	15	11	5.38	0.00809	5.62	40
GO:0009954	proximal/distal pattern formation	7	5	2.51	0.00835	2.49	41
GO:0044331	cell-cell adhesion mediated by cadherin	7	4	2.51	0.00835	1.49	42
GO:0048488	synaptic vesicle endocytosis	15	6	5.38	0.00849	0.62	43
GO:0007424	open tracheal system development	112	47	40.2	0.0087	6.8	44
GO:0000132	establishment of mitotic spindle orienta...	12	6	4.31	0.00873	1.69	45
GO:0007009	plasma membrane organization	12	9	4.31	0.00874	4.69	46
GO:0006396	RNA processing	152	56	54.56	0.00883	1.44	47
GO:0016055	Wnt signaling pathway	52	25	18.67	0.0093	6.33	48
GO:0043065	positive regulation of apoptotic process	22	15	7.9	0.00938	7.1	49
GO:2000736	regulation of stem cell differentiation	12	5	4.31	0.00957	0.69	50
GO:0007254	JNK cascade	30	15	10.77	0.00971	4.23	51
GO:0008586	imaginal disc-derived wing vein morphoge...	19	10	6.82	0.00976	3.18	52
GO:0072593	reactive oxygen species metabolism	17	8	6.1	0.00985	1.9	53
GO:1901361	organic cyclic compound catabolic proces...	67	26	24.05	0.00998	1.95	54
GO:0007289	spermatid nucleus differentiation	14	8	5.03	0.01015	2.97	55
GO:0007140	male meiotic nuclear division	33	13	11.85	0.01033	1.15	56
GO:0098586	cellular response to virus	7	6	2.51	0.01067	3.49	57
GO:0007156	homophilic cell adhesion via plasma memb...	12	5	4.31	0.0109	0.69	58
GO:0034332	adherens junction organization	19	11	6.82	0.011	4.18	59
GO:0016476	regulation of embryonic cell shape	10	6	3.59	0.01126	2.41	60
GO:0007097	nuclear migration	12	4	4.31	0.01158	-0.31	61
GO:0007476	imaginal disc-derived wing morphogenesis	96	41	34.46	0.01187	6.54	62
GO:0008258	head involution	17	8	6.1	0.01187	1.9	63
GO:0007416	synapse assembly	66	27	23.69	0.0121	3.31	64
GO:0007310	oocyte dorsal/ventral axis specification	15	4	5.38	0.01223	-1.38	65

GO:0007494	midgut development	12	8	4.31	0.01253	3.69	66
GO:0043604	amide biosynthetic process	200	76	71.79	0.01275	4.21	67
GO:0007605	sensory perception of sound	28	16	10.05	0.013	5.95	68
GO:0008104	protein localization	240	97	86.15	0.01303	10.85	69
GO:0035147	branch fusion, open tracheal system	12	4	4.31	0.01306	-0.31	70
GO:0043967	histone H4 acetylation	6	5	2.15	0.01308	2.85	71
GO:0001510	RNA methylation	5	5	1.79	0.01314	3.21	72
GO:0035160	maintenance of epithelial integrity, ope...	6	5	2.15	0.01323	2.85	73
GO:0006626	protein targeting to mitochondrion	22	12	7.9	0.01324	4.1	74
GO:0045433	male courtship behavior, veined wing gen...	6	4	2.15	0.01334	1.85	75
GO:0007430	terminal branching, open tracheal system	10	5	3.59	0.01349	1.41	76
GO:0007283	spermatogenesis	120	54	43.08	0.01353	10.92	77
GO:0007482	haltere development	7	4	2.51	0.01357	1.49	78
GO:0007291	sperm individualization	34	18	12.2	0.01365	5.8	79
GO:0007447	imaginal disc pattern formation	27	12	9.69	0.01367	2.31	80
GO:0030510	regulation of BMP signaling pathway	15	8	5.38	0.01382	2.62	81
GO:0009826	unidimensional cell growth	8	5	2.87	0.01386	2.13	82
GO:2000027	regulation of organ morphogenesis	33	13	11.85	0.01426	1.15	83
GO:0008407	chaeta morphogenesis	14	7	5.03	0.01434	1.97	84
GO:0043087	regulation of GTPase activity	27	13	9.69	0.01437	3.31	85
GO:0046700	heterocycle catabolic process	61	23	21.9	0.01478	1.1	86
GO:0032509	endosome transport via multivesicular bo...	7	6	2.51	0.01495	3.49	87
GO:0007303	cytoplasmic transport, nurse cell to ooc...	7	3	2.51	0.01512	0.49	88
GO:0030154	cell differentiation	686	253	246.25	0.01766	6.75	89
GO:0007295	growth of a germarium-derived egg chambe...	7	5	2.51	0.01805	2.49	90
GO:0045175	basal protein localization	7	2	2.51	0.01805	-0.51	91
GO:0007443	Malpighian tubule morphogenesis	11	4	3.95	0.01835	0.05	92
GO:0035153	epithelial cell type specification, open...	6	2	2.15	0.01864	-0.15	93
GO:0090100	positive regulation of transmembrane rec...	9	5	3.23	0.01921	1.77	94
GO:0051124	synaptic growth at neuromuscular junctio...	52	21	18.67	0.01925	2.33	95
GO:0042273	ribosomal large subunit biogenesis	32	14	11.49	0.01926	2.51	96
GO:0007392	initiation of dorsal closure	6	5	2.15	0.01933	2.85	97
GO:0045198	establishment of epithelial cell apical/...	5	3	1.79	0.01943	1.21	98
GO:0007423	sensory organ development	167	66	59.95	0.01984	6.05	99

GO:0042052	rhabdomere development	19	10	6.82	0.02011	3.18	100
GO:0007282	cystoblast division	9	4	3.23	0.02027	0.77	101
GO:0046843	dorsal appendage formation	17	6	6.1	0.02034	-0.1	102
GO:0016199	axon midline choice point recognition	8	3	2.87	0.02043	0.13	103
GO:0000278	mitotic cell cycle	163	59	58.51	0.02083	0.49	104
GO:0000212	meiotic spindle organization	15	7	5.38	0.0212	1.62	105
GO:0030968	endoplasmic reticulum unfolded protein r...	6	5	2.15	0.02121	2.85	106
GO:0001737	establishment of imaginal disc-derived w...	9	6	3.23	0.0213	2.77	107
GO:0045570	regulation of imaginal disc growth	14	8	5.03	0.02136	2.97	108
GO:0000281	mitotic cytokinesis	23	8	8.26	0.02192	-0.26	109
GO:0050803	regulation of synapse structure or activ...	63	26	22.61	0.02207	3.39	110
GO:0007465	R7 cell fate commitment	7	1	2.51	0.02223	-1.51	111
GO:0031034	myosin filament assembly	5	4	1.79	0.02249	2.21	112
GO:0045167	asymmetric protein localization involved...	12	4	4.31	0.02327	-0.31	113
GO:0006811	ion transport	208	67	74.66	0.02388	-7.66	114
GO:0050778	positive regulation of immune response	38	12	13.64	0.0251	-1.64	115
GO:0007399	nervous system development	421	164	151.12	0.02555	12.88	116
GO:0045176	apical protein localization	9	4	3.23	0.02557	0.77	117
GO:0019236	response to pheromone	11	7	3.95	0.02575	3.05	118
GO:0051726	regulation of cell cycle	117	43	42	0.0258	1	119
GO:0010976	positive regulation of neuron projection...	15	5	5.38	0.026	-0.38	120
GO:0032482	Rab protein signal transduction	21	10	7.54	0.02601	2.46	121
GO:0034331	cell junction maintenance	7	5	2.51	0.02604	2.49	122
GO:0009636	response to toxic substance	36	16	12.92	0.02622	3.08	123
GO:0018298	protein-chromophore linkage	5	2	1.79	0.02639	0.21	124
GO:0042023	DNA endoreduplication	9	5	3.23	0.02655	1.77	125
GO:0008355	olfactory learning	23	10	8.26	0.02676	1.74	126
GO:0007431	salivary gland development	72	23	25.85	0.02683	-2.85	127
GO:0045186	zonula adherens assembly	8	4	2.87	0.0269	1.13	128
GO:0006536	glutamate metabolic process	10	5	3.59	0.02714	1.41	129
GO:0030589	pseudocleavage involved in syncytial bla...	5	4	1.79	0.02714	2.21	130
GO:0007367	segment polarity determination	5	3	1.79	0.02714	1.21	131
GO:0007294	germarium-derived oocyte fate determinat...	11	5	3.95	0.02902	1.05	132
GO:0042306	regulation of protein import into nucleu...	6	3	2.15	0.02962	0.85	133

GO:0007017	microtubule-based process	188	77	67.48	0.02966	9.52	134
GO:0006727	ommochrome biosynthetic process	5	1	1.79	0.02972	-0.79	135
GO:0008345	larval locomotory behavior	16	7	5.74	0.03008	1.26	136
GO:0000070	mitotic sister chromatid segregation	37	15	13.28	0.0305	1.72	137
GO:0050770	regulation of axonogenesis	19	9	6.82	0.03105	2.18	138
GO:0061343	cell adhesion involved in heart morphoge...	9	6	3.23	0.03114	2.77	139
GO:0042078	germ-line stem cell division	17	7	6.1	0.03162	0.9	140
GO:0045467	R7 cell development	5	2	1.79	0.03163	0.21	141
GO:0051123	RNA polymerase II transcriptional preini...	8	4	2.87	0.03212	1.13	142
GO:0007010	cytoskeleton organization	253	95	90.82	0.03232	4.18	143
GO:0046662	regulation of oviposition	13	7	4.67	0.03246	2.33	144
GO:0016125	sterol metabolic process	10	7	3.59	0.03267	3.41	145
GO:0046667	compound eye retinal cell programmed cel...	11	4	3.95	0.03267	0.05	146
GO:0046011	regulation of oskar mRNA translation	6	4	2.15	0.03268	1.85	147
GO:0090175	regulation of establishment of planar po...	7	4	2.51	0.03269	1.49	148
GO:0046328	regulation of JNK cascade	23	12	8.26	0.03292	3.74	149
GO:0007362	terminal region determination	5	2	1.79	0.03296	0.21	150
GO:0046621	negative regulation of organ growth	8	3	2.87	0.03297	0.13	151
GO:0030516	regulation of axon extension	7	2	2.51	0.03326	-0.51	152
GO:0042331	phototaxis	7	2	2.51	0.03367	-0.51	153
GO:0003015	heart process	26	9	9.33	0.03372	-0.33	154
GO:0045793	positive regulation of cell size	15	9	5.38	0.03385	3.62	155
GO:0010883	regulation of lipid storage	16	6	5.74	0.0349	0.26	156
GO:0008340	determination of adult lifespan	84	33	30.15	0.0349	2.85	157
GO:0002164	larval development	58	20	20.82	0.03548	-0.82	158
GO:0072594	establishment of protein localization to...	71	25	25.49	0.03559	-0.49	159
GO:0032880	regulation of protein localization	39	19	14	0.03641	5	160
GO:0016333	morphogenesis of follicular epithelium	20	10	7.18	0.03649	2.82	161
GO:0035209	pupal development	7	4	2.51	0.03673	1.49	162
GO:0048149	behavioral response to ethanol	18	5	6.46	0.03715	-1.46	163
GO:0007076	mitotic chromosome condensation	7	2	2.51	0.03721	-0.51	164
GO:0008360	regulation of cell shape	32	13	11.49	0.03725	1.51	165
GO:0006383	transcription from RNA polymerase III pr...	5	4	1.79	0.0375	2.21	166
GO:0042327	positive regulation of phosphorylation	41	19	14.72	0.03907	4.28	167

GO:0043467	regulation of generation of precursor me...	8	4	2.87	0.03927	1.13	168
GO:0007179	transforming growth factor beta receptor...	8	2	2.87	0.03994	-0.87	169
GO:0035099	hemocyte migration	8	3	2.87	0.04004	0.13	170
GO:0007390	germ-band shortening	8	6	2.87	0.04004	3.13	171
GO:0007368	determination of left/right symmetry	8	5	2.87	0.04004	2.13	172
GO:0051098	regulation of binding	11	3	3.95	0.04027	-0.95	173
GO:0016335	morphogenesis of larval imaginal disc ep...	6	1	2.15	0.04047	-1.15	174
GO:0019915	lipid storage	21	10	7.54	0.04086	2.46	175
GO:0007204	positive regulation of cytosolic calcium...	5	4	1.79	0.04087	2.21	176
GO:0048072	compound eye pigmentation	6	4	2.15	0.04126	1.85	177
GO:0045196	establishment or maintenance of neurobla...	7	3	2.51	0.04166	0.49	178
GO:0016332	establishment or maintenance of polarity...	7	3	2.51	0.04166	0.49	179
GO:0006767	water-soluble vitamin metabolic process	8	6	2.87	0.04186	3.13	180
GO:0072089	stem cell proliferation	37	18	13.28	0.04196	4.72	181
GO:0050804	modulation of chemical synaptic transmis...	44	25	15.79	0.04241	9.21	182
GO:0007267	cell-cell signaling	237	97	85.07	0.04261	11.93	183
GO:0045297	post-mating behavior	12	4	4.31	0.04267	-0.31	184
GO:0001752	compound eye photoreceptor fate commitme...	16	3	5.74	0.04306	-2.74	185
GO:0098930	axonal transport	8	5	2.87	0.04308	2.13	186
GO:0030011	maintenance of cell polarity	9	5	3.23	0.04355	1.77	187
GO:0008293	torso signaling pathway	9	2	3.23	0.04368	-1.23	188
GO:0007617	mating behavior	52	21	18.67	0.04454	2.33	189
GO:0007370	ventral furrow formation	10	3	3.59	0.04465	-0.59	190
GO:0043462	regulation of ATPase activity	7	4	2.51	0.04499	1.49	191
GO:0007338	single fertilization	12	4	4.31	0.04519	-0.31	192
GO:0050806	positive regulation of synaptic transmis...	9	6	3.23	0.04526	2.77	193
GO:0007562	eclosion	6	2	2.15	0.04541	-0.15	194
GO:0009649	entrainment of circadian clock	6	2	2.15	0.04541	-0.15	195
GO:0007219	Notch signaling pathway	60	22	21.54	0.04581	0.46	196
GO:0008544	epidermis development	20	12	7.18	0.04603	4.82	197
GO:0007474	imaginal disc-derived wing vein specific...	16	7	5.74	0.0468	1.26	198
GO:0007507	heart development	41	13	14.72	0.04769	-1.72	199
GO:0071417	cellular response to organonitrogen comp...	21	10	7.54	0.04783	2.46	200
GO:0043085	positive regulation of catalytic activit...	67	26	24.05	0.04826	1.95	201

GO:0033692	cellular polysaccharide biosynthetic pro...	8	6	2.87	0.04837	3.13	202
GO:0048814	regulation of dendrite morphogenesis	20	8	7.18	0.04911	0.82	203
GO:0048489	synaptic vesicle transport	49	15	17.59	0.04913	-2.59	204
GO:0045596	negative regulation of cell differentiat...	35	12	12.56	0.0493	-0.56	205
GO:0046394	carboxylic acid biosynthetic process	50	20	17.95	0.04993	2.05	206
GO:0048138	germ-line cyst encapsulation	5	1	1.79	0.05017	-0.79	207
GO:0030010	establishment of cell polarity	30	13	10.77	0.05052	2.23	208
GO:1900073	regulation of neuromuscular synaptic tra...	7	5	2.51	0.05055	2.49	209
GO:0050805	negative regulation of synaptic transmis...	10	5	3.59	0.05075	1.41	210
GO:0007275	multicellular organism development	902	319	323.78	0.0508	-4.78	211
GO:0035222	wing disc pattern formation	19	9	6.82	0.05082	2.18	212
GO:0010389	regulation of G2/M transition of mitotic...	30	10	10.77	0.05106	-0.77	213
GO:0045879	negative regulation of smoothened signal...	5	2	1.79	0.05163	0.21	214
GO:0019438	aromatic compound biosynthetic process	379	124	136.05	0.05168	-12.05	215
GO:0046008	regulation of female receptivity, post-m...	14	6	5.03	0.05221	0.97	216
GO:0042059	negative regulation of epidermal growth ...	13	6	4.67	0.05242	1.33	217
GO:0048588	developmental cell growth	25	8	8.97	0.05299	-0.97	218
GO:0051491	positive regulation of filopodium assemb...	9	5	3.23	0.05314	1.77	219
GO:0007548	sex differentiation	34	9	12.2	0.05381	-3.2	220
GO:0031056	regulation of histone modification	6	4	2.15	0.05382	1.85	221
GO:0042060	wound healing	43	15	15.44	0.05395	-0.44	222
GO:0008343	adult feeding behavior	7	5	2.51	0.05403	2.49	223
GO:1902667	regulation of axon guidance	6	1	2.15	0.05413	-1.15	224
GO:0032007	negative regulation of TOR signaling	5	3	1.79	0.05449	1.21	225
GO:0060232	delamination	6	2	2.15	0.0547	-0.15	226
GO:0035019	somatic stem cell population maintenance	5	1	1.79	0.05501	-0.79	227
GO:0006941	striated muscle contraction	8	5	2.87	0.05516	2.13	228
GO:0035277	spiracle morphogenesis, open tracheal sy...	7	4	2.51	0.05546	1.49	229
GO:0006418	tRNA aminoacylation for protein translat...	10	4	3.59	0.05548	0.41	230
GO:0048813	dendrite morphogenesis	72	24	25.85	0.05561	-1.85	231
GO:0070507	regulation of microtubule cytoskeleton o...	18	8	6.46	0.05582	1.54	232
GO:0042325	regulation of phosphorylation	77	35	27.64	0.05641	7.36	233
GO:0007432	salivary gland boundary specification	5	1	1.79	0.05659	-0.79	234
GO:0090277	positive regulation of peptide hormone s...	8	6	2.87	0.0568	3.13	235

GO:0016081	synaptic vesicle docking	6	1	2.15	0.0572	-1.15	236
GO:0005991	trehalose metabolic process	9	4	3.23	0.05723	0.77	237
GO:0045010	actin nucleation	8	5	2.87	0.05733	2.13	238
GO:0070050	neuron cellular homeostasis	15	9	5.38	0.05802	3.62	239
GO:0008637	apoptotic mitochondrial changes	5	4	1.79	0.05842	2.21	240
GO:0022904	respiratory electron transport chain	60	27	21.54	0.05935	5.46	241
GO:0045892	negative regulation of transcription, DN...	72	20	25.85	0.05937	-5.85	242
GO:0031644	regulation of neurological system proces...	6	3	2.15	0.05949	0.85	243
GO:0016239	positive regulation of macroautophagy	5	4	1.79	0.05952	2.21	244
GO:0042659	regulation of cell fate specification	12	1	4.31	0.05954	-3.31	245
GO:0044270	cellular nitrogen compound catabolic pro...	59	22	21.18	0.06033	0.82	246
GO:0033227	dsRNA transport	16	9	5.74	0.06035	3.26	247
GO:0045886	negative regulation of synaptic growth a...	17	5	6.1	0.06257	-1.1	248
GO:0006888	ER to Golgi vesicle-mediated transport	16	8	5.74	0.06321	2.26	249
GO:0042692	muscle cell differentiation	53	18	19.02	0.06372	-1.02	250
GO:0030952	establishment or maintenance of cytoskel...	20	11	7.18	0.06431	3.82	251
GO:0044091	membrane biogenesis	6	4	2.15	0.06441	1.85	252
GO:0007112	male meiosis cytokinesis	16	7	5.74	0.06455	1.26	253
GO:1901992	positive regulation of mitotic cell cycl...	7	3	2.51	0.06518	0.49	254
GO:0047496	vesicle transport along microtubule	5	2	1.79	0.06565	0.21	255
GO:0007317	regulation of pole plasm oskar mRNA loca...	13	6	4.67	0.06583	1.33	256
GO:0045165	cell fate commitment	153	53	54.92	0.0662	-1.92	257
GO:0030727	germarium-derived female germ-line cyst ...	7	4	2.51	0.06668	1.49	258
GO:0007293	germarium-derived egg chamber formation	50	19	17.95	0.06683	1.05	259
GO:1901701	cellular response to oxygen-containing c...	43	18	15.44	0.06689	2.56	260
GO:0001745	compound eye morphogenesis	103	43	36.97	0.0671	6.03	261
GO:0007034	vacuolar transport	14	9	5.03	0.06742	3.97	262
GO:0001934	positive regulation of protein phosphory...	38	17	13.64	0.06748	3.36	263
GO:0007626	locomotory behavior	89	31	31.95	0.06755	-0.95	264
GO:0035171	lamellocyte differentiation	6	2	2.15	0.06795	-0.15	265
GO:0009067	aspartate family amino acid biosynthetic...	5	2	1.79	0.06809	0.21	266
GO:0006122	mitochondrial electron transport, ubiqui...	8	6	2.87	0.06849	3.13	267
GO:0033157	regulation of intracellular protein tran...	16	8	5.74	0.06878	2.26	268
GO:0016360	sensory organ precursor cell fate determ...	5	2	1.79	0.06934	0.21	269

GO:0070286	axonemal dynein complex assembly	13	7	4.67	0.06967	2.33	270
GO:1905330	regulation of morphogenesis of an epithe...	10	7	3.59	0.06981	3.41	271
GO:0060857	establishment of glial blood-brain barri...	9	3	3.23	0.07008	-0.23	272
GO:0032386	regulation of intracellular transport	30	12	10.77	0.07142	1.23	273
GO:0046189	phenol-containing compound biosynthetic ...	12	3	4.31	0.07203	-1.31	274
GO:0009880	embryonic pattern specification	70	27	25.13	0.07203	1.87	275
GO:0016056	rhodopsin mediated signaling pathway	12	4	4.31	0.07223	-0.31	276
GO:1901565	organonitrogen compound catabolic proces...	214	81	76.82	0.07227	4.18	277
GO:0001505	regulation of neurotransmitter levels	46	12	16.51	0.07233	-4.51	278
GO:0006891	intra-Golgi vesicle-mediated transport	12	6	4.31	0.07248	1.69	279
GO:0032103	positive regulation of response to exter...	22	6	7.9	0.07267	-1.9	280
GO:0044242	cellular lipid catabolic process	26	9	9.33	0.07497	-0.33	281
GO:0030707	ovarian follicle cell development	100	42	35.9	0.0757	6.1	282
GO:0046131	pyrimidine ribonucleoside metabolic proc...	8	4	2.87	0.07589	1.13	283
GO:0061077	chaperone-mediated protein folding	26	12	9.33	0.07593	2.67	284
GO:0019722	calcium-mediated signaling	9	5	3.23	0.07598	1.77	285
GO:0042454	ribonucleoside catabolic process	7	2	2.51	0.07615	-0.51	286
GO:0044093	positive regulation of molecular functio...	77	30	27.64	0.07651	2.36	287
GO:1902652	secondary alcohol metabolic process	8	5	2.87	0.07701	2.13	288
GO:0050975	sensory perception of touch	6	2	2.15	0.07748	-0.15	289
GO:0000154	rRNA modification	10	7	3.59	0.07777	3.41	290
GO:0051642	centrosome localization	6	3	2.15	0.07803	0.85	291
GO:0000082	G1/S transition of mitotic cell cycle	10	3	3.59	0.07836	-0.59	292
GO:0032956	regulation of actin cytoskeleton organiz...	35	13	12.56	0.07889	0.44	293
GO:0031532	actin cytoskeleton reorganization	14	7	5.03	0.07899	1.97	294
GO:0051241	negative regulation of multicellular org...	57	20	20.46	0.07961	-0.46	295
GO:0050768	negative regulation of neurogenesis	21	8	7.54	0.08033	0.46	296
GO:0060627	regulation of vesicle-mediated transport	47	16	16.87	0.08034	-0.87	297
GO:0048024	regulation of mRNA splicing, via spliceo...	25	6	8.97	0.08035	-2.97	298
GO:0006897	endocytosis	130	48	46.66	0.0805	1.34	299
GO:0031122	cytoplasmic microtubule organization	10	3	3.59	0.08102	-0.59	300
GO:0006605	protein targeting	42	19	15.08	0.0817	3.92	301
GO:0006402	mRNA catabolic process	23	8	8.26	0.08219	-0.26	302
GO:0071902	positive regulation of protein serine/th...	12	6	4.31	0.08348	1.69	303

GO:0007110	meiosis I cytokinesis	7	3	2.51	0.08377	0.49	304
GO:0036099	female germ-line stem cell population ma...	9	3	3.23	0.08379	-0.23	305
GO:0061564	axon development	123	55	44.15	0.08401	10.85	306
GO:0044087	regulation of cellular component biogene...	107	42	38.41	0.0841	3.59	307
GO:0046660	female sex differentiation	5	1	1.79	0.08433	-0.79	308
GO:1903036	positive regulation of response to wound...	8	5	2.87	0.08502	2.13	309
GO:0002118	aggressive behavior	28	10	10.05	0.08665	-0.05	310
GO:0050777	negative regulation of immune response	19	9	6.82	0.08672	2.18	311
GO:0090092	regulation of transmembrane receptor pro...	23	11	8.26	0.08776	2.74	312
GO:0010770	positive regulation of cell morphogenesi...	13	3	4.67	0.08789	-1.67	313
GO:1903578	regulation of ATP metabolic process	6	2	2.15	0.08834	-0.15	314
GO:0009790	embryo development	183	69	65.69	0.08904	3.31	315
GO:0006096	glycolytic process	19	8	6.82	0.09106	1.18	316
GO:0035215	genital disc development	11	4	3.95	0.09124	0.05	317
GO:0043486	histone exchange	7	3	2.51	0.09248	0.49	318
GO:0008052	sensory organ boundary specification	7	4	2.51	0.09275	1.49	319
GO:0045807	positive regulation of endocytosis	9	4	3.23	0.09306	0.77	320
GO:0044260	cellular macromolecule metabolic process	1050	377	376.91	0.09351	0.09	321
GO:0008582	regulation of synaptic growth at neuromu...	38	15	13.64	0.0938	1.36	322
GO:0048522	positive regulation of cellular process	384	147	137.84	0.09492	9.16	323
GO:0048638	regulation of developmental growth	93	36	33.38	0.09531	2.62	324
GO:0051338	regulation of transferase activity	40	15	14.36	0.09628	0.64	325
GO:0019395	fatty acid oxidation	13	5	4.67	0.09701	0.33	326
GO:0060560	developmental growth involved in morphog...	41	14	14.72	0.09778	-0.72	327
GO:0002832	negative regulation of response to bioti...	8	3	2.87	0.09811	0.13	328
GO:0006874	cellular calcium ion homeostasis	17	12	6.1	0.09819	5.9	329
GO:0032984	macromolecular complex disassembly	29	12	10.41	0.09831	1.59	330
GO:0006284	base-excision repair	5	2	1.79	0.09871	0.21	331
GO:0055088	lipid homeostasis	22	9	7.9	0.09873	1.1	332
GO:0007610	behavior	265	100	95.12	0.09904	4.88	333
GO:0050708	regulation of protein secretion	9	5	3.23	0.10013	1.77	334
GO:0052548	regulation of endopeptidase activity	12	8	4.31	0.10022	3.69	335
GO:0032968	positive regulation of transcription elo...	7	3	2.51	0.10056	0.49	336
GO:0046425	regulation of JAK-STAT cascade	19	6	6.82	0.10218	-0.82	337

GO:0047497	mitochondrion transport along microtubul...	8	4	2.87	0.1024	1.13	338
GO:0035152	regulation of tube architecture, open tr...	47	22	16.87	0.10284	5.13	339
GO:0010529	negative regulation of transposition	5	2	1.79	0.10323	0.21	340
GO:0003007	heart morphogenesis	15	6	5.38	0.10406	0.62	341
GO:0046716	muscle cell cellular homeostasis	16	8	5.74	0.10449	2.26	342
GO:0042045	epithelial fluid transport	13	5	4.67	0.10499	0.33	343
GO:0045214	sarcomere organization	19	11	6.82	0.10514	4.18	344
GO:0048678	response to axon injury	5	3	1.79	0.10556	1.21	345
GO:1903706	regulation of hemopoiesis	5	0	1.79	0.10644	-1.79	346
GO:0045611	negative regulation of hemocyte differen...	5	1	1.79	0.10644	-0.79	347
GO:0001654	eye development	133	55	47.74	0.10651	7.26	348
GO:0007608	sensory perception of smell	37	18	13.28	0.10668	4.72	349
GO:0051303	establishment of chromosome localization	7	2	2.51	0.10681	-0.51	350
GO:0006334	nucleosome assembly	7	4	2.51	0.10847	1.49	351
GO:0008356	asymmetric cell division	44	21	15.79	0.10954	5.21	352
GO:0008103	oocyte microtubule cytoskeleton polariza...	8	4	2.87	0.10977	1.13	353
GO:0010256	endomembrane system organization	68	30	24.41	0.10991	5.59	354
GO:0030036	actin cytoskeleton organization	115	47	41.28	0.11032	5.72	355
GO:0035001	dorsal trunk growth, open tracheal syste...	6	3	2.15	0.11036	0.85	356
GO:0045471	response to ethanol	31	12	11.13	0.11046	0.87	357
GO:0010556	regulation of macromolecule biosynthetic...	305	98	109.48	0.11051	-11.48	358
GO:0032101	regulation of response to external stimu...	50	17	17.95	0.11114	-0.95	359
GO:0051924	regulation of calcium ion transport	6	4	2.15	0.11142	1.85	360
GO:0001894	tissue homeostasis	23	13	8.26	0.11153	4.74	361
GO:0032456	endocytic recycling	15	8	5.38	0.11206	2.62	362
GO:0009887	animal organ morphogenesis	284	110	101.94	0.11232	8.06	363
GO:0007028	cytoplasm organization	29	14	10.41	0.11236	3.59	364
GO:0040011	locomotion	239	101	85.79	0.11251	15.21	365
GO:0043052	thermotaxis	8	3	2.87	0.11301	0.13	366
GO:0008284	positive regulation of cell proliferatio...	18	8	6.46	0.11318	1.54	367
GO:0030720	oocyte localization involved in germariu...	7	2	2.51	0.11351	-0.51	368
GO:0035293	chitin-based larval cuticle pattern form...	7	0	2.51	0.11351	-2.51	369
GO:0007015	actin filament organization	59	23	21.18	0.11417	1.82	370
GO:0051480	regulation of cytosolic calcium ion conc...	8	6	2.87	0.11428	3.13	371

GO:0006886	intracellular protein transport	125	48	44.87	0.11447	3.13	372
GO:0007616	long-term memory	26	10	9.33	0.11475	0.67	373
GO:0008347	glial cell migration	7	3	2.51	0.11498	0.49	374
GO:0055114	oxidation-reduction process	303	125	108.76	0.11548	16.24	375
GO:0050769	positive regulation of neurogenesis	29	10	10.41	0.11549	-0.41	376
GO:0007096	regulation of exit from mitosis	5	4	1.79	0.11595	2.21	377
GO:0006338	chromatin remodeling	32	12	11.49	0.11609	0.51	378
GO:0031987	locomotion involved in locomotory behavi...	13	6	4.67	0.11623	1.33	379
GO:0048859	formation of anatomical boundary	15	6	5.38	0.11667	0.62	380
GO:0098656	anion transmembrane transport	35	12	12.56	0.11733	-0.56	381
GO:0043244	regulation of protein complex disassembl...	9	5	3.23	0.11794	1.77	382
GO:0018991	oviposition	17	7	6.1	0.1184	0.9	383
GO:0046627	negative regulation of insulin receptor ...	5	1	1.79	0.11874	-0.79	384
GO:0035317	imaginal disc-derived wing hair organiza...	16	9	5.74	0.11881	3.26	385
GO:0010948	negative regulation of cell cycle proces...	41	14	14.72	0.11894	-0.72	386
GO:0007426	tracheal outgrowth, open tracheal system	11	2	3.95	0.12015	-1.95	387
GO:0098609	cell-cell adhesion	42	18	15.08	0.12041	2.92	388
GO:0035114	imaginal disc-derived appendage morphoge...	110	45	39.49	0.1207	5.51	389
GO:0008587	imaginal disc-derived wing margin morpho...	19	7	6.82	0.12225	0.18	390
GO:0007131	reciprocal meiotic recombination	9	0	3.23	0.12253	-3.23	391
GO:0030307	positive regulation of cell growth	17	7	6.1	0.12262	0.9	392
GO:0051489	regulation of filopodium assembly	15	8	5.38	0.12273	2.62	393
GO:0007274	neuromuscular synaptic transmission	33	17	11.85	0.12379	5.15	394
GO:0051051	negative regulation of transport	15	6	5.38	0.12381	0.62	395
GO:0010501	RNA secondary structure unwinding	10	5	3.59	0.12452	1.41	396
GO:0043901	negative regulation of multi-organism pr...	15	7	5.38	0.12531	1.62	397
GO:0015918	sterol transport	7	4	2.51	0.12611	1.49	398
GO:0030725	germline ring canal formation	8	4	2.87	0.12767	1.13	399
GO:0006744	ubiquinone biosynthetic process	5	4	1.79	0.12771	2.21	400
GO:0035162	embryonic hemopoiesis	11	5	3.95	0.12823	1.05	401
GO:0070868	heterochromatin organization involved in...	8	2	2.87	0.12862	-0.87	402
GO:0010001	glial cell differentiation	17	6	6.1	0.12863	-0.1	403
GO:0045665	negative regulation of neuron differenti...	8	3	2.87	0.1287	0.13	404
GO:0007135	meiosis II	8	4	2.87	0.12975	1.13	405

GO:0000915	actomyosin contractile ring assembly	8	4	2.87	0.12975	1.13	406
GO:0046364	monosaccharide biosynthetic process	7	3	2.51	0.12977	0.49	407
GO:0006261	DNA-dependent DNA replication	17	7	6.1	0.12998	0.9	408
GO:0043401	steroid hormone mediated signaling pathw...	8	2	2.87	0.13136	-0.87	409
GO:0019896	axonal transport of mitochondrion	5	2	1.79	0.13141	0.21	410
GO:0030713	ovarian follicle cell stalk formation	5	2	1.79	0.13176	0.21	411
GO:0048284	organelle fusion	28	8	10.05	0.13198	-2.05	412
GO:0030382	sperm mitochondrion organization	5	2	1.79	0.13245	0.21	413
GO:0008156	negative regulation of DNA replication	5	3	1.79	0.1335	1.21	414
GO:0043161	proteasome-mediated ubiquitin-dependent ...	72	27	25.85	0.13353	1.15	415
GO:0048066	developmental pigmentation	38	15	13.64	0.13395	1.36	416
GO:0001885	endothelial cell development	6	3	2.15	0.13433	0.85	417
GO:0009451	RNA modification	19	11	6.82	0.1354	4.18	418
GO:0070374	positive regulation of ERK1 and ERK2 cas...	6	4	2.15	0.13562	1.85	419
GO:0045787	positive regulation of cell cycle	20	9	7.18	0.13581	1.82	420
GO:1903429	regulation of cell maturation	16	7	5.74	0.13582	1.26	421
GO:0007428	primary branching, open tracheal system	7	2	2.51	0.13593	-0.51	422
GO:0045746	negative regulation of Notch signaling p...	13	6	4.67	0.13596	1.33	423
GO:0006810	transport	736	273	264.19	0.13611	8.81	424
GO:0032506	cytokinetic process	15	8	5.38	0.13666	2.62	425
GO:0051046	regulation of secretion	42	18	15.08	0.1367	2.92	426
GO:0045610	regulation of hemocyte differentiation	11	3	3.95	0.13716	-0.95	427
GO:0006006	glucose metabolic process	77	26	27.64	0.13762	-1.64	428
GO:0019731	antibacterial humoral response	27	10	9.69	0.13819	0.31	429
GO:0007095	mitotic G2 DNA damage checkpoint	25	8	8.97	0.1382	-0.97	430
GO:0007268	chemical synaptic transmission	106	40	38.05	0.13843	1.95	431
GO:0007094	mitotic spindle assembly checkpoint	6	2	2.15	0.13862	-0.15	432
GO:0040012	regulation of locomotion	25	6	8.97	0.13883	-2.97	433
GO:0072524	pyridine-containing compound metabolic p...	35	15	12.56	0.13897	2.44	434
GO:0009953	dorsal/ventral pattern formation	53	16	19.02	0.13956	-3.02	435
GO:0010608	posttranscriptional regulation of gene e...	69	27	24.77	0.13967	2.23	436
GO:0045840	positive regulation of mitotic nuclear d...	8	5	2.87	0.14003	2.13	437
GO:0071772	response to BMP	19	10	6.82	0.14091	3.18	438
GO:0006289	nucleotide-excision repair	9	2	3.23	0.14209	-1.23	439

GO:0010592	positive regulation of lamellipodium ass...	5	3	1.79	0.14293	1.21	440
GO:0006937	regulation of muscle contraction	7	4	2.51	0.14428	1.49	441
GO:0048749	compound eye development	127	51	45.59	0.1455	5.41	442
GO:0043470	regulation of carbohydrate catabolic pro...	6	3	2.15	0.14676	0.85	443
GO:0060581	cell fate commitment involved in pattern...	9	3	3.23	0.14712	-0.23	444
GO:0070593	dendrite self-avoidance	5	3	1.79	0.14748	1.21	445
GO:0009612	response to mechanical stimulus	18	5	6.46	0.14769	-1.46	446
GO:0007377	germ-band extension	5	3	1.79	0.14816	1.21	447
GO:0002027	regulation of heart rate	10	4	3.59	0.14854	0.41	448
GO:0009065	glutamine family amino acid catabolic pr...	10	6	3.59	0.14877	2.41	449
GO:0040001	establishment of mitotic spindle localiz...	15	7	5.38	0.14883	1.62	450
GO:0031123	RNA 3'-end processing	14	5	5.03	0.14995	-0.03	451
GO:0006576	cellular biogenic amine metabolic proces...	9	2	3.23	0.15019	-1.23	452
GO:0009893	positive regulation of metabolic process	202	75	72.51	0.15029	2.49	453
GO:0045727	positive regulation of translation	10	5	3.59	0.15064	1.41	454
GO:0045184	establishment of protein localization	174	66	62.46	0.15069	3.54	455
GO:0007286	spermatid development	66	33	23.69	0.15128	9.31	456
GO:0009064	glutamine family amino acid metabolic pr...	16	8	5.74	0.15162	2.26	457
GO:0045451	pole plasm oskar mRNA localization	20	10	7.18	0.15174	2.82	458
GO:0051231	spindle elongation	6	2	2.15	0.15212	-0.15	459
GO:0035212	cell competition in a multicellular orga...	11	2	3.95	0.15227	-1.95	460
GO:0045747	positive regulation of Notch signaling p...	15	4	5.38	0.15293	-1.38	461
GO:0040014	regulation of multicellular organism gro...	33	14	11.85	0.15294	2.15	462
GO:0031038	myosin II filament organization	5	2	1.79	0.15384	0.21	463
GO:0007509	mesoderm migration involved in gastrulat...	5	1	1.79	0.15384	-0.79	464
GO:0071478	cellular response to radiation	30	11	10.77	0.15455	0.23	465
GO:0008088	axo-dendritic transport	12	8	4.31	0.15461	3.69	466
GO:0050896	response to stimulus	1124	400	403.47	0.15485	-3.47	467
GO:0050767	regulation of neurogenesis	75	32	26.92	0.15518	5.08	468
GO:0006511	ubiquitin-dependent protein catabolic pr...	114	43	40.92	0.1554	2.08	469
GO:0051222	positive regulation of protein transport	14	7	5.03	0.15604	1.97	470
GO:0051607	defense response to virus	20	11	7.18	0.15643	3.82	471
GO:0006308	DNA catabolic process	10	3	3.59	0.15654	-0.59	472
GO:0008594	photoreceptor cell morphogenesis	10	3	3.59	0.15681	-0.59	473

GO:0055057	neuroblast division	19	12	6.82	0.15713	5.18	474
GO:0035158	regulation of tube diameter, open trache...	5	3	1.79	0.15746	1.21	475
GO:0016070	RNA metabolic process	440	159	157.94	0.15751	1.06	476
GO:0014016	neuroblast differentiation	7	3	2.51	0.15776	0.49	477
GO:0016201	synaptic target inhibition	5	3	1.79	0.15793	1.21	478
GO:0036293	response to decreased oxygen levels	31	9	11.13	0.15883	-2.13	479
GO:0008652	cellular amino acid biosynthetic process	18	6	6.46	0.159	-0.46	480
GO:0006584	catecholamine metabolic process	9	3	3.23	0.15978	-0.23	481
GO:0006538	glutamate catabolic process	5	3	1.79	0.15985	1.21	482
GO:1901699	cellular response to nitrogen compound	25	13	8.97	0.16012	4.03	483
GO:0048639	positive regulation of developmental gro...	43	16	15.44	0.16022	0.56	484
GO:0006974	cellular response to DNA damage stimulus	112	35	40.2	0.16029	-5.2	485
GO:0042773	ATP synthesis coupled electron transport	54	23	19.38	0.16051	3.62	486
GO:0072523	purine-containing compound catabolic pro...	11	3	3.95	0.16115	-0.95	487
GO:0006986	response to unfolded protein	15	7	5.38	0.16171	1.62	488
GO:0000470	maturation of LSU-rRNA	12	6	4.31	0.16174	1.69	489
GO:0098728	germline stem cell asymmetric division	12	5	4.31	0.16181	0.69	490
GO:2000026	regulation of multicellular organismal d...	173	68	62.1	0.16208	5.9	491
GO:0008406	gonad development	15	4	5.38	0.16209	-1.38	492
GO:0097194	execution phase of apoptosis	11	5	3.95	0.16236	1.05	493
GO:0010604	positive regulation of macromolecule met...	173	64	62.1	0.16299	1.9	494
GO:0031507	heterochromatin assembly	8	4	2.87	0.16309	1.13	495
GO:0006469	negative regulation of protein kinase ac...	9	3	3.23	0.16338	-0.23	496
GO:0010507	negative regulation of autophagy	10	5	3.59	0.16362	1.41	497
GO:0022008	neurogenesis	336	132	120.61	0.16385	11.39	498
GO:0009247	glycolipid biosynthetic process	8	5	2.87	0.16457	2.13	499
GO:0048172	regulation of short-term neuronal synapt...	6	3	2.15	0.16483	0.85	500

APPENDIX 2 - GFOLD Results

Presented here are the results from the GFOLD generalised fold change calculations of the RNA-Seq experiment in Chapter 4

GeneSymb	Entrez	GeneName	GFOLD.0.0	Abs(GFOLD	E.FDR	log2fdc	controlRPKM	selectedRPKM
FBgn02664	19835597	CG45072	-4.49105	4.49105	1	-7.24702	3.99007	0
FBgn02643	14462707	CR43808	-3.82797	3.82797	1	-4.62598	9.26886	0.346287
FBgn02629	12797874	CR43263	3.6085	3.6085	1	4.84772	0.267371	8.50389
FBgn02634	12798501	CR43453	-3.42848	3.42848	1	-6.21095	2.73853	0
FBgn02592	42948	CG42331	3.35294	3.35294	1	3.70754	0.456276	5.93884
FBgn02637	14462862	CG43680	-3.16605	3.16605	1	-4.83	7.06947	0.165178
FBgn02670	19835765	CR45496	-3.15887	3.15887	1	-4.95156	2.87349	0.046481
FBgn02657	19835961	CR44539	-3.11254	3.11254	1	-4.90717	1.78393	0.029772
FBgn00393	8674041	CR13656	2.91558	2.91558	1	3.33362	1.4037	14.1497
FBgn00047	40823	Ccp84Ac	-2.82716	2.82716	1	-4.63509	1.3641	0.027582
FBgn02658	19835047	CR44615	-2.749	2.749	1	-4.43073	4.03166	0.124676
FBgn00118	33073	Ser6	-2.47621	2.47621	1	-2.69787	53.1442	8.04734
FBgn00313	33292	MFS3	2.44326	2.44326	1	2.64427	4.26212	26.3402
FBgn02671	19835864	CR45541	2.44203	2.44203	1	4.15173	0.139381	3.59045
FBgn00311	33074	CG1304	-2.44061	2.44061	1	-2.93888	11.4278	1.44054
FBgn02672	19835078	CR45717	2.36933	2.36933	1	3.1803	1.19856	11.3417
FBgn02663	19835818	asRNA:CR4	-2.33862	2.33862	1	-2.7839	16.5053	2.32749
FBgn02662	19836157	CR44953	2.31461	2.31461	1	2.68319	2.25113	14.3896
FBgn00313	33366	CG15358	2.27158	2.27158	1	2.77384	1.06222	7.29672
FBgn02633	12798530	CG43403	-2.03825	2.03825	1	-2.62432	10.0776	1.56975
FBgn00029	38738	ndl	2.01114	2.01114	1	2.81273	0.054059	0.39432
FBgn00525	318087	CR32553	2.01059	2.01059	1	2.49722	1.30425	7.37769
FBgn00361	39300	CG14137	-1.99828	1.99828	1	-4.86136	2.67371	0
FBgn02633	12798450	CG43445	-1.99828	1.99828	1	-4.86136	1.39498	0
FBgn02654	19835366	CG44355	-1.99828	1.99828	1	-4.86136	0.853836	0
FBgn00398	43658	CG15545	-1.99588	1.99588	1	-2.40613	8.9104	1.63835
FBgn00272	32102	Kmn1	-1.93437	1.93437	1	-2.23743	19.2315	3.99741
FBgn00394	43250	CG6283	-1.93369	1.93369	1	-2.19257	24.0066	5.15621
FBgn02645	14462575	asRNA:CR4	1.90453	1.90453	1	4.79327	0	0.282315

FBgn02658	19836071	CR44645	1.89651	1.89651	1	2.4213	1.70568	9.17551
FBgn02658	19836012	CR44612	1.8957	1.8957	1	2.86813	0.112729	0.869193
FBgn00368	40122	Cpr76Bc	-1.87361	1.87361	1	-2.33822	4.55374	0.874868
FBgn00853	5740879	CG34367	1.84155	1.84155	1	2.45039	0.487283	2.69392
FBgn02654	19835220	CR44333	-1.83715	1.83715	1	-4.71452	2.05131	0
FBgn00002	43597	CecA2	1.82131	1.82131	1	2.2787	4.62138	22.4009
FBgn02633	12797875	CG43401	1.76679	1.76679	1	2.30785	1.66191	8.26805
FBgn00317	33818	CG9021	-1.75673	1.75673	1	-3.02818	1.73037	0.190397
FBgn02670	19835667	CR45465	-1.74291	1.74291	1	-3.49213	1.32412	0.079555
FBgn00002	43598	CecB	1.72236	1.72236	1	2.15423	4.44905	19.7432
FBgn00397	43621	Jon99Fii	1.65046	1.65046	1	1.82726	13.8272	48.45
FBgn00400	31551	vanin-like	-1.64838	1.64838	1	-1.84814	19.6317	5.36421
FBgn02671	19835356	CR45540	1.63729	1.63729	1	3.41476	0.130855	1.99496
FBgn02661	19834832	CG44869	1.63449	1.63449	1	4.55226	0	1.62425
FBgn02669	19835826	CR45408	1.62086	1.62086	1	2.1803	2.64502	12.0511
FBgn00298	31528	CG6048	-1.61954	1.61954	1	-1.94797	12.0303	3.05494
FBgn02636	14462854	CR43652	1.59636	1.59636	1	3.04037	0.12322	1.14441
FBgn00120	36636	AttA	1.57218	1.57218	1	1.62935	161.63	493.061
FBgn00317	33764	TotM	1.55119	1.55119	1	1.65172	73.9998	229.337
FBgn02653	19836131	CR44308	-1.54445	1.54445	1	-2.14163	10.3542	2.2595
FBgn02663	19835095	asRNA:CR4	1.53958	1.53958	1	1.74228	5.92099	19.5683
FBgn00385	42122	AttD	1.53788	1.53788	1	1.73814	13.4161	44.2094
FBgn00392	43036	to	1.53643	1.53643	1	1.60929	62.8256	189.022
FBgn02654	19835062	CR44331	1.52807	1.52807	1	1.94499	1.69743	6.50483
FBgn00291	44006	Fad2	1.52564	1.52564	1	3.31523	0.0423881	0.601666
FBgn00396	43497	Obp99b	1.52362	1.52362	1	1.62645	66.0055	201.013
FBgn00319	34088	CG7227	1.52283	1.52283	1	1.7136	4.05853	13.1457
FBgn00303	32128	CG9360	1.51885	1.51885	1	1.6778	15.5556	49.123
FBgn00518	318970	CG31832	-1.51106	1.51106	1	-2.12634	5.40075	1.18941
FBgn00361	39317	CG11652	-1.5016	1.5016	1	-1.61411	55.2866	17.7948
FBgn02628	12798049	CR43238	1.49659	1.49659	1	3.1803	0.170942	1.97706
FBgn00394	43251	CG6277	-1.47712	1.47712	1	-1.66767	33.7523	10.4551
FBgn00394	43248	CG17192	1.46686	1.46686	1	2.55226	0.290753	1.80644
FBgn02654	19835058	CR44344	1.45922	1.45922	1	1.76377	2.6778	9.00589

FBgn00394	43210	TwdlD	1.4591	1.4591	1	3.05631	0.11526	1.15128
FBgn00309	32895	CG15882	-1.45619	1.45619	1	-1.9966	7.98233	1.9368
FBgn00373	40740	CG10280	-1.45163	1.45163	1	-3.22909	0.740488	0.053694
FBgn02658	19836200	CR44665	-1.44469	1.44469	1	-2.17566	2.01219	0.423133
FBgn00382	41820	CG6912	1.43516	1.43516	1	1.54559	24.1458	69.5288
FBgn02600	34824	NimC4	-1.43257	1.43257	1	-2.21383	2.01717	0.410497
FBgn00533	2768690	CG33346	1.42854	1.42854	1	1.53909	31.4346	90.1103
FBgn00394	43252	CG6271	-1.42127	1.42127	1	-2.01629	3.89085	0.927277
FBgn00369	40212	CG6996	1.41033	1.41033	1	1.7668	1.65805	5.5978
FBgn00533	2768931	Muc30E	1.4023	1.4023	1	1.83175	0.386423	1.36916
FBgn02645	19835323	CR43914	-1.40072	1.40072	1	-2.57702	1.45243	0.221321
FBgn02654	19835748	CR44345	-1.39801	1.39801	1	-2.90717	2.01995	0.225939
FBgn00395	43305	Gr98a	-1.38859	1.38859	1	-1.68106	8.01305	2.45288
FBgn00318	33947	TTLL3A	1.38531	1.38531	1	2.16322	0.171757	0.788891
FBgn00343	37096	CG18539	-1.37956	1.37956	1	-2.12956	3.99591	0.866267
FBgn00398	43677	CG15553	1.37925	1.37925	1	1.64286	3.24202	10.0132
FBgn02618	38732	CG42747	-1.37782	1.37782	1	-1.77694	2.97823	0.849363
FBgn02650	14462801	CR44189	1.37395	1.37395	1	2.98036	0.166258	1.57327
FBgn02650	34341	CG44153	1.36751	1.36751	1	1.61304	0.920672	2.78405
FBgn00302	32002	Rph	1.36533	1.36533	1	1.60712	1.73922	5.23726
FBgn00540	3885655	CG34040	-1.36471	1.36471	1	-1.49793	70.7365	24.672
FBgn00335	36124	CG12934	-1.35648	1.35648	1	-1.5814	26.5091	8.71205
FBgn00344	37252	Ir56d	-1.35389	1.35389	1	-2.94279	0.58571	0.061583
FBgn02666	19835113	asRNA:CR4	1.34835	1.34835	1	1.55528	9.33161	27.0876
FBgn00534	2768841	CG33462	1.3431	1.3431	1	1.95957	0.895236	3.50838
FBgn02659	19834994	CR44738	-1.33997	1.33997	1	-3.12956	1.40332	0.109295
FBgn00388	42506	Obp93a	-1.33718	1.33718	1	-2.01026	5.41076	1.28621
FBgn00262	32058	antdh	-1.32643	1.32643	1	-1.77181	7.11263	2.03117
FBgn00056	40185	fln	1.32387	1.32387	1	1.52712	7.74306	22.0398
FBgn00522	26067083	asRNA:CR3	1.31445	1.31445	1	1.71598	2.55488	8.3399
FBgn02649	14462451	CR44135	-1.31062	1.31062	1	-1.98517	5.82958	1.4103
FBgn00382	41821	CG3984	1.3073	1.3073	1	1.43785	14.5218	38.8131
FBgn00532	2768941	CG33296	1.3002	1.3002	1	1.68799	1.32684	4.24522
FBgn02671	19835798	asRNA:CR4	1.29965	1.29965	1	1.39955	14.9148	38.8081

FBgn02658	19835518	CR44644	1.29629	1.29629	1	1.78175	3.16362	10.8543
FBgn00324	34727	Mabi	-1.29293	1.29293	1	-2.64413	1.90103	0.271022
FBgn02665	19835884	CR45098	1.28887	1.28887	1	2.70754	0.294027	2.11987
FBgn02668	19835752	asRNA:CR4	1.28016	1.28016	1	1.90019	1.55528	5.8473
FBgn00322	34472	CG7300	1.27848	1.27848	1	1.47189	3.69963	10.1329
FBgn02625	12797926	CG43085	1.27409	1.27409	1	1.5757	3.7293	11.0035
FBgn00383	41831	CG6654	1.26614	1.26614	1	1.46636	4.64672	12.6795
FBgn00265	35397	CG8677	1.26452	1.26452	1	1.33274	10.3408	25.6834
FBgn00529	34218	CG32984	1.26429	1.26429	1	1.57553	2.15555	6.36102
FBgn00303	32101	CG11699	-1.2639	1.2639	1	-1.46524	38.856	13.8489
FBgn02635	12798101	CR43494	-1.26293	1.26293	1	-1.96375	5.75116	1.40899
FBgn02650	14462738	asRNA:CR4	1.26246	1.26246	1	1.45482	3.64197	9.85731
FBgn00369	40213	CG7017	-1.2594	1.2594	1	-2.05156	1.47945	0.337344
FBgn02676	26067324	CR46003	1.252	1.252	1	1.7558	0.0699952	0.236058
FBgn00448	117460	TotX	1.24081	1.24081	1	1.35391	56.7679	143.123
FBgn02657	19835398	CG44521	-1.23894	1.23894	1	-2.59522	2.26749	0.33461
FBgn00395	43390	Sid	1.22063	1.22063	1	1.4534	6.39048	17.2914
FBgn02614	8673994	Ir75b	1.21029	1.21029	1	1.84286	0.489445	1.76899
FBgn02663	37479	CngB	1.20942	1.20942	1	1.37906	4.40946	11.3196
FBgn02671	19835984	asRNA:CR4	1.20775	1.20775	1	1.33959	28.76	71.8049
FBgn00365	39719	CG13445	1.20675	1.20675	1	3.1803	0.0645164	1.08535
FBgn00044	38127	LysD	-1.1772	1.1772	1	-1.31319	126.288	50.0675
FBgn00338	36523	Cpr50Ca	-1.17149	1.17149	1	-1.66205	1.52543	0.469217
FBgn00309	32834	CG15044	-1.17144	1.17144	1	-1.56506	9.57331	3.16551
FBgn00297	31498	CG15772	-1.17078	1.17078	1	-1.40741	12.2178	4.52984
FBgn02598	7354452	Su(Ste):CR4	1.16123	1.16123	1	1.6977	1.03313	3.35122
FBgn00303	32200	Mks1	-1.15904	1.15904	1	-1.69649	1.9943	0.597205
FBgn00373	40741	CG11459	1.15844	1.15844	1	1.43502	3.87679	10.3662
FBgn02677	26067403	CR46086	1.1562	1.1562	1	1.69812	1.80409	5.85555
FBgn00343	37100	IM1	1.14447	1.14447	1	1.22288	203.658	468.756
FBgn02677	26067439	CR46123	-1.14378	1.14378	1	-2.75516	2.64465	0.317788
FBgn00448	117462	TotC	1.13985	1.13985	1	1.18493	424.969	952.614
FBgn00002	43599	CecC	1.13286	1.13286	1	1.43979	11.454	30.7514
FBgn00137	36666	Cyp6a8	1.13058	1.13058	1	1.21576	35.0041	80.1747

FBgn02659	19835519	CR44732	1.12811	1.12811	1	2.9673	0.0251529	0.277687
FBgn02678	26067463	CR46148	1.12811	1.12811	1	2.9673	0.0830047	0.916368
FBgn00040	31939	Yp1	1.12038	1.12038	1	1.22534	25.3729	58.5093
FBgn02656	19834733	CR44488	-1.1172	1.1172	1	-3.07709	0.740928	0.045825
FBgn00839	4379879	Acp54A1	-1.10113	1.10113	1	-1.22227	239.355	101.086
FBgn00367	39982	Ir75a	1.09435	1.09435	1	1.54851	0.96804	2.81744
FBgn02652	12798251	CR43239	-1.08646	1.08646	1	-1.27099	36.6512	14.9528
FBgn00030	35735	phr	1.08001	1.08001	1	1.33293	3.41757	8.50814
FBgn00581	3354922	CG40198	-1.07565	1.07565	1	-1.33254	10.7535	4.19797
FBgn00401	53543	lectin-24A	1.06772	1.06772	1	1.47508	2.5123	6.93392
FBgn00330	35543	Cyp6w1	1.06711	1.06711	1	1.1132	91.5688	195.305
FBgn00000	47764	Amy-p	-1.06573	1.06573	1	-1.26573	16.2705	6.6606
FBgn02603	8674012	CG42521	-1.06287	1.06287	1	-1.3717	25.7987	9.78815
FBgn00328	35251	CG13078	1.06138	1.06138	1	1.9933	0.427794	1.76704
FBgn00651	3885617	ppk10	1.05389	1.05389	1	1.42818	1.78312	4.75779
FBgn00839	4379890	CG34109	-1.04384	1.04384	1	-1.3612	4.34921	1.66182
FBgn02643	14462804	CR43839	-1.04163	1.04163	1	-1.55546	5.74575	1.90186
FBgn00521	317900	edin	1.03247	1.03247	1	1.23832	24.8344	57.848
FBgn00415	36484	AttC	1.02993	1.02993	1	1.08432	175.83	367.6
FBgn02615	10178792	CG42694	1.02763	1.02763	1	1.36292	1.28646	3.27633
FBgn02648	14462690	CR44077	-1.02108	1.02108	1	-3.99463	0.548589	0
FBgn00536	3772084	CG33668	-1.01668	1.01668	1	-1.14027	109.782	49.0756
FBgn00309	32897	Obp18a	1.01172	1.01172	1	1.24508	11.0241	25.811
FBgn00503	246541	CG30325	-1.00702	1.00702	1	-1.25447	7.09237	2.92365
FBgn00289	34915	CG15254	1.00625	1.00625	1	1.20452	13.1024	29.8091
FBgn00103	36047	Def	1.00258	1.00258	1	1.33424	9.68701	24.1806
FBgn02655	19835457	CR44404	1.00132	1.00132	1	1.20064	49.3933	112.073
FBgn00526	318135	CG32640	0.98651	0.98651	1	1.15619	33.8333	74.4088
FBgn00298	31499	lin-52	-0.98576	0.985761	1	-1.16815	22.9609	10.0608
FBgn02652	19836070	asRNA:CR4	-0.98554	0.985539	1	-1.20462	24.2385	10.3492
FBgn00510	318567	CG31041	0.980885	0.980885	1	1.33162	4.92574	12.2793
FBgn00254	36316	Cyp6g1	0.97783	0.97783	1	0.995224	764.829	1503.11
FBgn02677	26067380	CR46063	0.975367	0.975367	1	1.48515	2.99875	8.36967
FBgn00169	3771807	swaPsi	0.970306	0.970306	1	1.15902	8.21436	18.1051

FBgn00395	43378	CG1894	0.966468	0.966468	1	1.39684	1.56107	4.08285
FBgn02648	14462434	CG44088	-0.96021	0.960206	1	-1.18643	37.8335	16.3572
FBgn00395	43360	CG4815	0.954833	0.954833	1	1.37393	2.2446	5.77511
FBgn00540	3885596	CG34038	-0.95453	0.954532	1	-1.49213	3.35273	1.15861
FBgn00323	34597	Mal-B1	0.953325	0.953325	1	1.01643	65.8069	131.258
FBgn02636	12798311	CR43621	-0.94956	0.949555	1	-1.8379	2.06997	0.544104
FBgn00512	318626	CG31205	0.946609	0.946609	1	1.05997	35.6851	73.3779
FBgn02834	37539	Alp2	0.932632	0.932632	1	0.989355	84.4613	165.331
FBgn00283	44121	TotA	0.925846	0.925846	1	0.956269	903.114	1727.63
FBgn00394	43171	CG14551	0.921549	0.921549	1	2.6778	0.058254	0.469581
FBgn00388	42512	cDIP	-0.91888	0.918881	1	-1.11951	13.566	6.14676
FBgn00338	36481	CG10814	0.917679	0.917679	1	1.41476	1.12523	2.98782
FBgn00629	3771790	hpRNA:CR3	-0.91504	0.915035	1	-1.18687	13.8483	5.98019
FBgn00053	31938	Yp2	0.913927	0.913927	1	1.13913	5.51663	11.9982
FBgn02633	12797876	CG43402	0.912285	0.912285	1	1.03378	26.4232	53.3578
FBgn02630	12798258	CR43310	0.91011	0.91011	1	1.62335	2.00269	6.23604
FBgn00044	38129	LysP	-0.90858	0.908575	1	-1.10238	43.541	19.9664
FBgn00522	317943	CG32260	0.906862	0.906862	1	1.78673	0.226185	0.802629
FBgn00407	50207	CG15065	0.906729	0.906729	1	1.07759	72.7053	151.413
FBgn02634	12798473	CR43451	0.900687	0.900687	1	1.5924	0.828281	2.51932
FBgn02638	14462653	CR43717	0.900056	0.900056	1	1.7558	0.83518	2.89266
FBgn02658	19835850	CR44631	-0.88854	0.888543	1	-1.29562	9.20275	3.6702
FBgn00328	35281	CG16772	0.887041	0.887041	1	0.950756	108.687	207.139
FBgn02649	14462464	CG44142	0.885419	0.885419	1	2.03143	0.915786	3.93905
FBgn02598	7354440	Su(Ste):CR4	0.885197	0.885197	1	1.70164	0.362115	1.20232
FBgn02677	26067420	CR46103	0.885197	0.885197	1	1.70164	0.801707	2.6619
FBgn00381	41610	CG7966	-0.88356	0.883558	1	-0.991717	53.0057	26.2697
FBgn00347	37608	Obp58c	0.883319	0.883319	1	1.94698	0.482893	1.94628
FBgn00315	33559	CG2772	0.874731	0.874731	1	1.27083	2.03666	4.87275
FBgn02660	19835162	CR44789	0.873726	0.873726	1	3.90019	0	0.551632
FBgn00316	33706	Jon25Biii	0.871053	0.871053	1	1.09283	11.2639	23.7215
FBgn02650	14462757	CR44198	-0.86189	0.861885	1	-1.29859	13.4032	5.32848
FBgn00526	318136	CG32641	0.861455	0.861455	1	1.02019	40.0391	80.1181
FBgn00415	36637	AttB	0.85872	0.85872	1	0.928592	113.156	212.372

FBgn00853	5740817	CG34283	0.856304	0.856304	1	1.29214	3.92333	9.53925
FBgn00344	37271	Obp56h	0.854716	0.854716	1	1.3211	3.2355	8.03634
FBgn02656	19835012	CR44505	0.851234	0.851234	1	1.50787	1.39907	3.99933
FBgn02668	19835509	asRNA:CR4	0.849295	0.849295	1	1.99972	0.932538	3.92197
FBgn00367	40017	CG4306	-0.84681	0.84681	1	-1.00067	39.5886	19.491
FBgn00531	33324	NLaz	-0.8459	0.845901	1	-0.916917	161.661	84.4017
FBgn00000	41885	Act88F	0.844137	0.844137	1	1.00642	11.2272	22.2527
FBgn00029	41085	neur	0.843372	0.843372	1	0.963873	7.65343	14.7234
FBgn02648	14462717	CR44079	-0.84228	0.842279	1	-1.47792	5.97991	2.07485
FBgn02630	12797872	CG43348	-0.84201	0.842011	1	-1.3222	9.05205	3.53346
FBgn02676	26067277	CR45950	0.838442	0.838442	1	2.09283	0.431779	1.95213
FBgn00357	38829	CG18417	0.838204	0.838204	1	1.01008	10.7657	21.394
FBgn00522	317917	CG32212	-0.83735	0.837354	1	-1.19893	10.7798	4.60575
FBgn00044	47219	RpS14b	-0.83564	0.835638	1	-0.922372	208.759	108.572
FBgn00393	43056	CG11893	-0.83539	0.835392	1	-0.897033	172.833	91.4906
FBgn00360	39205	CG18628	-0.83138	0.831377	1	-0.881574	1097.69	587.356
FBgn02666	19835120	CR45150	-0.82939	0.829385	1	-2.06244	2.25459	0.49386
FBgn00028	42424	MtnB	-0.82046	0.82046	1	-1.1702	14.2366	6.20775
FBgn00039	37655	twi	-0.81968	0.819679	1	-1.10026	5.28651	2.42413
FBgn02623	12798058	CG43061	-0.8183	0.818301	1	-1.08581	42.0057	19.4614
FBgn00535	3346222	lectin-37Da	0.817897	0.817897	1	0.884594	169.659	308.847
FBgn02670	19835035	asRNA:CR4	-0.81699	0.816989	1	-1.41618	6.02111	2.18698
FBgn00234	43973	Lip1	-0.81677	0.816765	1	-1.46269	1.588	0.556555
FBgn00004	35587	Cyp6a2	0.816178	0.816178	1	0.877691	77.7388	140.838
FBgn00354	38409	Drsl5	-0.81153	0.811529	1	-0.925717	197.243	102.328
FBgn00504	246648	Cyp12d1-p	0.810937	0.810937	1	0.872168	29.3452	52.961
FBgn00420	59137	CG18735	-0.80762	0.807619	1	-3.81406	0.330188	0
FBgn00397	43523	neo	-0.80725	0.807249	1	-1.29282	1.4898	0.593487
FBgn00307	32647	CG9676	-0.80439	0.804394	1	-0.993878	27.6624	13.6781
FBgn00535	2768720	Cyp12d1-d	0.803679	0.803679	1	0.865651	70.9743	127.514
FBgn02645	19835957	CG43920	0.803365	0.803365	1	1.05631	17.6086	36.1703
FBgn02630	12798007	CR43358	-0.80309	0.803087	1	-1.93691	4.92515	1.18672
FBgn02668	19834753	CR45262	-0.8008	0.800804	1	-1.25727	5.41687	2.21489
FBgn00462	12798136	CR9284	-0.80021	0.800206	1	-0.841461	600.078	330.152

FBgn02592	36473	CG42319	0.798983	0.798983	1	0.928942	8.07263	15.1591
FBgn00393	43055	CG13658	0.790581	0.790581	1	1.07504	4.23144	8.8104
FBgn00403	31046	CG3699	-0.78408	0.784076	1	-0.980653	29.3311	14.6357
FBgn02679	26067572	asRNA:CR4	-0.78311	0.783112	1	-0.878465	224.93	120.592
FBgn02634	12797883	CG43449	-0.7759	0.775896	1	-1.03122	15.8174	7.61335
FBgn00367	40019	AstC-R2	-0.7741	0.774098	1	-1.01615	4.39247	2.13697
FBgn00328	35320	CG17472	-0.77363	0.773628	1	-0.856291	228.903	124.632
FBgn02645	14462708	CR43926	0.773626	0.773626	1	2.55226	0.110198	0.811052
FBgn00311	33123	CG10918	-0.77229	0.772293	1	-2.22909	1.68656	0.318282
FBgn00346	37491	CG9294	-0.77229	0.772293	1	-2.22909	0.972607	0.183548
FBgn00536	3771730	CG33666	-0.77004	0.770042	1	-0.899869	82.2925	43.4597
FBgn00367	39993	CG16775	-0.76527	0.765269	1	-0.967214	33.1846	16.7126
FBgn00519	319043	CG31950	-0.76376	0.76376	1	-1.37348	4.39496	1.644
FBgn00502	246519	MFS1	-0.76038	0.76038	1	-1.36323	1.73484	0.653907
FBgn00371	40471	CG11426	0.753111	0.753111	1	0.883228	15.3365	27.9005
FBgn00150	34291	Cyp4e3	0.751979	0.751979	1	0.843201	32.9982	58.3758
FBgn00522	317955	Drsl3	-0.74812	0.748115	1	-1.29246	9.80955	3.8982
FBgn00386	42234	CG7695	0.74811	0.74811	1	0.815266	160.099	277.768
FBgn00318	33951	CG17378	-0.74419	0.744185	1	-0.888249	13.5871	7.23276
FBgn02663	19835368	CR45006	0.743643	0.743643	1	3.79327	0	0.955962
FBgn02671	19834773	CR45619	0.743643	0.743643	1	3.79327	0	1.18526
FBgn02662	19835670	CR44951	0.741443	0.741443	1	1.19114	1.60503	3.63813
FBgn00392	42969	CG13641	0.741424	0.741424	1	0.928749	25.2414	47.4149
FBgn00341	36856	CG8311	0.740719	0.740719	1	0.867801	16.0214	28.8358
FBgn02664	19834892	CG45080	0.740448	0.740448	1	0.813349	336.261	582.642
FBgn00396	43479	CG7567	-0.74005	0.740051	1	-0.919791	37.268	19.4024
FBgn00056	38746	ple	0.738783	0.738783	1	0.832339	14.9188	26.1946
FBgn00388	42451	CG4000	-0.73852	0.738521	1	-0.935937	23.9376	12.3209
FBgn02634	12798526	CR43455	0.737828	0.737828	1	2.12846	0.415024	1.9394
FBgn02643	14462785	CR43840	-0.73754	0.737539	1	-2.3222	1.16961	0.198348
FBgn02508	59226	CG17242	-0.73183	0.731831	1	-0.802677	171.299	96.8053
FBgn00407	50209	IM3	0.731324	0.731324	1	0.788351	201.697	343.462
FBgn00312	33198	CG3625	-0.72986	0.729861	1	-0.802936	84.4058	47.6908
FBgn00839	14462420	CR41352	0.727464	0.727464	1	1.74491	0.917476	3.19079

FBgn00345	37309	CG11192	0.727348	0.727348	1	1.3527	1.07171	2.74092
FBgn00231	43193	Pdf	-0.72679	0.726793	1	-0.941114	29.8512	15.3062
FBgn02636	39778	l(3)72Dr	-0.72526	0.725262	1	-0.974911	13.2924	6.654
FBgn02655	19834935	asRNA:CR4	-0.72506	0.725059	1	-0.775094	63.4462	36.5496
FBgn00117	33896	Tig	0.72245	0.72245	1	0.81532	8.24926	14.3141
FBgn02677	26067386	asRNA:CR4	-0.7219	0.721901	1	-0.902892	17.9111	9.43474
FBgn00335	36183	Listericin	0.721444	0.721444	1	0.904131	32.1938	59.4476
FBgn00405	50044	CG17193	-0.72127	0.721273	1	-0.963151	4.07425	2.0565
FBgn00317	19836250	Cyp6a16	0.720849	0.720849	1	1.02383	2.01239	4.04471
FBgn02635	12798219	CR43493	0.719835	0.719835	1	1.23256	0.772405	1.80628
FBgn02668	19835312	CR45277	0.719177	0.719177	1	1.41476	1.73045	4.64271
FBgn02630	12797873	CG43349	-0.71754	0.717537	1	-0.942356	40.1651	20.5738
FBgn00315	33590	CG3513	-0.7157	0.715699	1	-1.09318	16.2369	7.46464
FBgn00540	3885583	CG34041	-0.71428	0.714284	1	-0.879754	18.5377	9.92447
FBgn00148	36708	Mtk	0.713923	0.713923	1	0.812642	191.222	331.202
FBgn02671	19835889	CG45546	-0.71196	0.711957	1	-1.00314	25.4683	12.492
FBgn00350	37997	Phk-3	0.71112	0.71112	1	0.803478	66.8878	115.115
FBgn00344	37184	DptB	0.710396	0.710396	1	0.792815	164.858	281.621
FBgn00502	246525	CG30281	-0.71024	0.710241	1	-0.900839	25.1005	13.2392
FBgn00364	39635	CG13461	-0.70631	0.706313	1	-2.07709	2.1848	0.469872
FBgn02676	26067309	CR45982	-0.70589	0.705885	1	-1.22909	3.8099	1.58439
FBgn00321	34316	CG4594	-0.70309	0.703089	1	-0.998315	9.85709	4.85066
FBgn00513	43060	CG31370	0.703028	0.703028	1	0.927646	6.73441	12.6456
FBgn00329	35395	CG8679	0.70197	0.70197	1	0.960112	2.79051	5.36175
FBgn00044	38125	LysB	-0.70075	0.70075	1	-0.933035	28.1252	14.4986
FBgn00364	39601	CG17177	-0.70069	0.700687	1	-1.0144	2.41796	1.17618
FBgn00385	42094	CG17283	-0.69953	0.69953	1	-1.51598	1.05262	0.350469
FBgn00527	5740857	CR32745	-0.69765	0.697652	1	-1.76132	2.71572	0.744879
FBgn00540	3885569	CG34026	0.697317	0.697317	1	0.85345	26.9876	48.1013
FBgn00342	3885598	dpr13	-0.69639	0.69639	1	-0.941114	4.72619	2.42228
FBgn00314	33436	CG3528	-0.69635	0.696347	1	-0.871181	33.6324	18.1114
FBgn02645	14462683	CR43928	0.696136	0.696136	1	1.1595	1.63568	3.62806
FBgn02834	38419	Drs	0.694666	0.694666	1	0.77766	189.401	320.166
FBgn00323	34538	AstCC	-0.69274	0.692744	1	-1.26791	2.65502	1.07176

FBgn00044	26067588	LysC	-0.68983	0.689833	1	-1.93959	5.05574	1.20812
FBgn00391	42800	CG10232	0.688217	0.688217	1	0.981949	2.90895	5.67791
FBgn00037	43656	tll	-0.68806	0.68806	1	-3.71452	0.183962	0
FBgn00261	43624	PH4alphaV	-0.68738	0.687382	1	-1.14974	2.46743	1.08744
FBgn00387	42351	CG6300	-0.68686	0.686858	1	-1.03179	4.66131	2.23853
FBgn00316	33754	Cyp4ac1	-0.68466	0.684663	1	-0.795191	43.4123	24.6562
FBgn00411	34044	Tep2	0.684063	0.684063	1	0.730323	45.3277	74.1418
FBgn00398	43659	CG15546	0.684043	0.684043	1	0.864641	8.22599	14.7787
FBgn00382	41829	Spn88Eb	0.682988	0.682988	1	0.770152	46.5192	78.2296
FBgn00439	32976	dome	0.678589	0.678589	1	0.791319	8.09956	13.8236
FBgn00380	41561	Gnmt	0.677125	0.677125	1	0.749997	96.8456	160.594
FBgn02658	19834963	CR44643	-0.67521	0.675206	1	-0.998507	6.4551	3.17425
FBgn02619	36511	CG42807	-0.67271	0.672713	1	-0.702023	473.427	286.91
FBgn02654	19834757	CG44335	0.672578	0.672578	1	1.30964	1.15995	2.87961
FBgn02599	8674064	Sfp35C	-0.67051	0.670514	1	-0.904768	45.3368	23.8341
FBgn00150	35634	Cyp9b1	0.669482	0.669482	1	0.8893	5.71368	10.4464
FBgn02660	19834807	CR44827	-0.66744	0.667442	1	-2.34013	0.722249	0.116829
FBgn02676	26067283	CR45956	-0.66557	0.665567	1	-1.3222	1.56176	0.603982
FBgn00502	246528	CG30285	-0.66453	0.664525	1	-0.889465	31.2885	16.6267
FBgn00322	34447	CG7384	0.664306	0.664306	1	0.937341	2.81632	5.32748
FBgn02629	12798475	CR43258	-0.66363	0.663629	1	-1.81406	1.17417	0.308639
FBgn00140	34615	Rh5	-0.6618	0.661798	1	-0.763571	53.5613	31.0963
FBgn00368	40123	Cpr76Bd	0.661626	0.661626	1	0.9359	1.39494	2.63613
FBgn00400	53541	lectin-30A	-0.66068	0.660679	1	-0.734858	201.428	119.31
FBgn00314	33483	CG18557	0.659636	0.659636	1	0.974189	4.40552	8.5557
FBgn00390	42683	CCAP	-0.6588	0.658801	1	-0.912813	11.3764	5.94561
FBgn02637	14462863	CR43684	-0.65668	0.65668	1	-0.760874	192.841	112.167
FBgn02670	19834818	CR45517	0.653601	0.653601	1	0.95533	6.6822	12.8051
FBgn00421	59175	CG18814	-0.65278	0.652775	1	-1.90717	1.25071	0.305821
FBgn02655	19835703	CR44387	0.650845	0.650845	1	1.6778	0.722971	2.39739
FBgn00380	41573	CG5724	0.650382	0.650382	1	0.768149	21.2859	35.7506
FBgn00334	35962	CG8800	-0.64973	0.649725	1	-1.6544	1.68525	0.500757
FBgn00852	36186	CG34227	0.647565	0.647565	1	0.813679	37.0946	64.3203
FBgn00405	36235	CG7763	-0.64608	0.646079	1	-0.972543	9.81959	4.91645

FBgn00397	43612	CG15533	-0.64545	0.645448	1	-0.822968	12.7989	7.12665
FBgn00336	36317	Cyp6g2	0.643451	0.643451	1	0.725613	38.1519	62.2066
FBgn02664	19835998	CG45061	0.643348	0.643348	1	1.07615	4.85064	10.1409
FBgn02610	32290	Syt12	-0.6433	0.643303	1	-0.865913	3.77058	2.0368
FBgn00329	35447	CG3635	-0.64307	0.643069	1	-1.0962	3.42297	1.56662
FBgn00303	32103	Reepl1	-0.63917	0.639173	1	-0.748631	77.3761	45.3886
FBgn02626	12798107	CG43134	-0.6366	0.636599	1	-0.880983	37.2349	19.8981
FBgn00392	43037	CG11854	0.635572	0.635572	1	0.735588	49.083	80.5903
FBgn00346	37445	Acox57D-p	0.634956	0.634956	1	0.73424	20.2883	33.2806
FBgn00396	43474	Diedel	0.632981	0.632981	1	2.19237	0.401057	2.03812
FBgn00042	37183	DptA	0.631335	0.631335	1	0.687163	335.585	532.741
FBgn02656	19834738	CR44490	0.630933	0.630933	1	1.47134	1.97136	5.56366
FBgn02664	19835139	CG45062	-0.63089	0.630892	1	-0.974522	2.80038	1.39962
FBgn00327	35229	CG13084	-0.62865	0.628647	1	-0.976006	5.00663	2.49949
FBgn00357	38828	CG8562	0.625497	0.625497	1	0.750762	21.7878	36.1563
FBgn00387	42416	MtnC	-0.62429	0.624286	1	-0.751143	200.664	117.491
FBgn00371	40420	CG14567	0.617453	0.617453	1	0.855628	11.8514	21.1713
FBgn00153	34226	Try29F	-0.61685	0.616852	1	-0.827375	15.6412	8.67959
FBgn02643	14462627	CR43792	-0.60945	0.609452	1	-1.16769	6.31464	2.73728
FBgn00311	33104	CG1801	0.60924	0.60924	1	0.665845	30.7168	48.0476
FBgn02675	26067221	CR45893	-0.60862	0.608618	1	-1.1835	1.7865	0.765263
FBgn00500	36399	Obp49a	0.608005	0.608005	1	0.803156	16.7196	28.7867
FBgn02673	3772154	Acp33A	-0.60737	0.607372	1	-0.675513	533.314	329.169
FBgn00679	3885603	IM14	0.607339	0.607339	1	0.761022	95.7644	160.08
FBgn02658	19836050	CG44623	0.604827	0.604827	1	1.08264	3.09453	6.50733
FBgn00117	35913	ana	-0.60306	0.603057	1	-0.801535	8.54113	4.8261
FBgn00324	34687	CG15483	-0.60126	0.601259	1	-0.753446	27.0018	15.7818
FBgn00326	35115	Cyp310a1	-0.60084	0.600844	1	-0.8021	13.0815	7.38848
FBgn00346	37488	CG4363	-0.60046	0.600458	1	-0.648285	530.43	333.645
FBgn00298	31532	CG5966	0.599719	0.599719	1	0.695136	15.1153	24.1312
FBgn00388	42489	CG17279	0.599668	0.599668	1	1.14627	1.78511	3.9343
FBgn00381	41706	Cyp6d5	0.599184	0.599184	1	0.632878	283.356	433.199
FBgn02657	19836004	CG44574	-0.59873	0.598732	1	-1.08194	8.34762	3.85471
FBgn00343	37167	CG15080	-0.59718	0.597183	1	-1.14595	0.586616	0.25831

FBgn00384	42045	CG3678	-0.59677	0.596769	1	-0.742887	33.1575	19.5231
FBgn00039	34060	Uro	0.596013	0.596013	1	0.663248	91.4841	142.847
FBgn00580	14462918	CR40053	0.593352	0.593352	1	0.983899	2.22698	4.36077
FBgn02621	10178914	CG42876	0.593266	0.593266	1	0.832598	5.66056	9.95162
FBgn00634	37111	GstE6	0.592732	0.592732	1	0.674206	104.265	164.051
FBgn00039	33093	unc	0.592703	0.592703	1	0.768742	3.39502	5.70648
FBgn02663	19835702	CR44967	0.592529	0.592529	1	1.21385	2.17326	5.03876
FBgn00234	39048	teq	0.591705	0.591705	1	0.64472	20.5206	31.6317
FBgn00536	3772644	CG33664	-0.59121	0.591211	1	-0.703414	108.584	65.7233
FBgn00314	33413	CG16995	0.59031	0.59031	1	0.806253	14.7325	25.4248
FBgn00527	318207	CG32783	-0.58807	0.588072	1	-0.692737	23.3488	14.238
FBgn00100	251984	Jheh1	0.584878	0.584878	1	0.662119	58.8504	91.8215
FBgn02649	14462465	CR44138	0.583145	0.583145	1	0.815698	18.5001	32.1424
FBgn00132	48582	Hsp70Bb	0.580276	0.580276	1	0.86929	2.46432	4.44714
FBgn00387	42352	CG11659	-0.57994	0.579939	1	-0.870077	6.24629	3.36091
FBgn00304	32276	CG15742	0.576874	0.576874	1	0.740848	17.636	29.0724
FBgn00340	36717	GalNAc-T1	0.574856	0.574856	1	0.717844	9.04091	14.6658
FBgn02508	5740575	CG34241	-0.57458	0.574576	1	-0.725525	87.7829	52.3108
FBgn02591	39334	CG42255	0.574272	0.574272	1	1.02829	0.196171	0.396852
FBgn00358	38953	Jon66Cii	0.572482	0.572482	1	1.04325	2.44564	5.00191
FBgn00522	38408	Drsl2	0.572049	0.572049	1	0.714322	75.9045	122.828
FBgn00521	317901	CG32188	0.571679	0.571679	1	2.20831	0.398375	2.09431
FBgn00356	38632	CG10592	-0.57054	0.57054	1	-0.720053	21.7969	13.0386
FBgn00501	12798336	CR30121	0.56859	0.56859	1	1.32313	0.302377	0.763023
FBgn00326	35005	yellow-b	0.567029	0.567029	1	0.689856	18.5982	29.5863
FBgn00314	33510	CG17224	0.566306	0.566306	1	0.632163	77.0015	117.669
FBgn00384	41979	CG17930	0.566298	0.566298	1	0.828676	4.3064	7.55232
FBgn00532	2768939	CG33282	0.565417	0.565417	1	0.821256	4.74275	8.27413
FBgn00310	32951	CG14219	0.563658	0.563658	1	1.0504	0.819258	1.68477
FBgn00511	318608	CG31157	-0.55919	0.559185	1	-0.677021	45.6372	28.1324
FBgn00355	38548	CG11345	-0.55798	0.557977	1	-3.60761	0.361516	0
FBgn00381	41660	CG14369	-0.55798	0.557977	1	-3.60761	0.325223	0
FBgn00851	5740596	CG34166	0.557548	0.557548	1	0.6341	146.427	224.067
FBgn00345	37314	CG18067	0.557507	0.557507	1	0.578813	772.078	1136.94

FBgn00524	318040	CG32457	-0.55751	0.557505	1	-0.751996	36.6277	21.4213
FBgn00354	38383	CG14963	-0.55518	0.555184	1	-0.771235	19.9002	11.4813
FBgn00532	3772637	CR33294	-0.55438	0.554384	1	-0.89206	3.53336	1.87061
FBgn00319	34091	Spn28Dc	0.553503	0.553503	1	0.726392	9.49645	15.4993
FBgn00382	41822	CG3987	0.551297	0.551297	1	0.61295	93.9761	141.707
FBgn02599	8674016	Sfp24F	-0.55111	0.551107	1	-0.701	65.0905	39.4541
FBgn02670	19836213	CG45486	0.548677	0.548677	1	0.804207	11.708	20.185
FBgn00860	5740356	snoRNA:M	-0.54553	0.545533	1	-0.971297	57.8251	28.9043
FBgn00369	40210	CG7298	-0.54539	0.545391	1	-0.670744	40.2281	24.9052
FBgn00513	50022	Hsp70Bbb	0.544196	0.544196	1	0.871924	1.90748	3.45058
FBgn00402	53507	Ugt86Dd	0.543167	0.543167	1	0.595875	114.738	170.975
FBgn00358	38868	Snmp2	0.540385	0.540385	1	0.670771	10.7521	16.8803
FBgn00132	44921	Hsp70Ba	0.540226	0.540226	1	0.859856	2.03404	3.64827
FBgn00363	39462	CG10943	0.539398	0.539398	1	0.642593	42.7738	65.8457
FBgn00351	38107	CG13905	-0.53881	0.538808	1	-0.602723	218.92	142.116
FBgn02610	8674005	Sfp78E	-0.53694	0.536939	1	-0.689709	43.4709	26.5562
FBgn02672	19835332	asRNA:CR4	0.536405	0.536405	1	1.10748	1.03386	2.21935
FBgn02660	19835514	CR44822	-0.53618	0.536178	1	-0.810618	11.8604	6.6528
FBgn00320	3771738	CG9510	-0.53416	0.534158	1	-0.650221	31.0755	19.5156
FBgn00632	12798072	asRNA:CR3	0.533764	0.533764	1	0.711112	8.57847	13.8537
FBgn00342	37054	CG5770	-0.53286	0.532862	1	-0.920463	6.6308	3.4377
FBgn00347	37578	CG4269	0.532252	0.532252	1	0.616002	42.2635	63.8678
FBgn02656	19835235	CR44460	0.530942	0.530942	1	1.10778	1.89407	4.06769
FBgn02647	14462908	CR43978	-0.52498	0.524982	1	-0.879368	7.4774	3.99238
FBgn02660	19835061	CR44832	-0.52479	0.524791	1	-0.688049	53.8545	32.9348
FBgn00400	53542	lectin-28C	0.5222	0.5222	1	0.613897	20.654	31.167
FBgn00379	41410	CG6908	0.521133	0.521133	1	0.630328	30.6278	46.75
FBgn00315	33592	IM33	0.5208	0.5208	1	0.569206	601.527	879.934
FBgn00341	36852	CG4927	-0.52024	0.520238	1	-1.03787	2.41796	1.15009
FBgn00387	42337	CG17752	0.519648	0.519648	1	0.624573	27.8714	42.3725
FBgn00354	38402	ckd	0.51884	0.51884	1	1.126	0.668504	1.45597
FBgn00393	43084	CG5107	-0.51791	0.517909	1	-0.572079	403.665	267.679
FBgn00387	42373	Xport-A	-0.51633	0.516332	1	-0.645757	52.0385	32.7794
FBgn02668	19835988	CR45316	0.51504	0.51504	1	2.09283	0.126298	0.597567

FBgn02602	8673993	Xport-B	-0.51486	0.514862	1	-0.644132	48.0738	30.3162
FBgn00339	36595	Arc1	0.512452	0.512452	1	0.539095	322.28	461.693
FBgn00315	33567	Pif1	0.511913	0.511913	1	0.924711	1.05433	1.98195
FBgn00309	32840	CG6470	-0.51048	0.510475	1	-0.667159	22.1436	13.7404
FBgn00358	38889	CG8038	0.510398	0.510398	1	0.747758	10.5507	17.4866
FBgn00386	42232	CG14304	0.50908	0.50908	1	1.01298	0.463805	0.929594
FBgn00033	43545	Jon99Ci	0.50897	0.50897	1	0.655137	26.8562	41.7112
FBgn00854	33995	Pvf3	-0.50892	0.508924	1	-0.654401	6.28178	3.93289
FBgn00276	34336	obst-B	-0.50887	0.50887	1	-1.23974	1.62145	0.661575
FBgn02607	41457	Ect3	0.508273	0.508273	1	0.666751	9.22741	14.4483
FBgn00853	5740609	CG34290	0.507673	0.507673	1	0.893064	3.43107	6.3053
FBgn02635	12798580	CR43610	-0.50767	0.507672	1	-0.931013	14.8411	7.63064
FBgn02616	44251	RpL8	-0.50756	0.507559	1	-0.613932	61.6107	39.6799
FBgn00254	42092	CREG	0.506818	0.506818	1	0.59091	74.5547	110.722
FBgn02620	10178787	CG42852	-0.50677	0.506771	1	-0.700716	135.662	82.2166
FBgn00397	43532	RpS8	-0.50648	0.506479	1	-0.56613	180.832	120.408
FBgn00345	37311	Obp57c	0.505708	0.505708	1	0.61418	80.5742	121.618
FBgn02628	19835153	CR43196	-0.50538	0.505384	1	-0.693216	43.8351	26.7059
FBgn00512	318664	CG31288	0.503351	0.503351	1	0.619328	28.4528	43.101
FBgn00324	34650	CG17010	-0.50297	0.502966	1	-0.601785	58.998	38.3199
FBgn02666	19834902	CR45173	-0.50266	0.502657	1	-1.05773	5.59182	2.61899
FBgn00515	40691	CG31546	-0.50212	0.502123	1	-0.70435	20.6253	12.4672
FBgn02508	2768691	Dup99B	-0.50205	0.502052	1	-0.565056	653.186	435.247
FBgn00421	59167	OS9	0.501478	0.501478	1	0.692982	17.7496	28.309
FBgn00854	5740165	CG34427	-0.50139	0.501393	1	-1.99463	1.06083	0.236596
FBgn02652	19835333	CR44262	0.501128	0.501128	1	1.28923	1.15443	2.84977
FBgn02620	42763	CG42827	-0.49851	0.498505	1	-0.782257	19.2354	11.003
FBgn00005	42521	e	0.498157	0.498157	1	0.715812	3.41609	5.53651
FBgn00378	41357	scpr-B	-0.49767	0.497674	1	-0.571989	162.412	107.7
FBgn00395	43286	CG14262	-0.49376	0.493761	1	-0.631532	43.1224	27.4311
FBgn02676	26067328	CR46007	-0.49151	0.491506	1	-0.729264	18.2228	10.8218
FBgn02628	12798466	CG43236	0.491403	0.491403	1	1.05061	3.56316	7.34586
FBgn00341	36872	Acp53C14a	-0.4907	0.490701	1	-0.536902	528.522	359.132
FBgn00166	35216	Lectin-galC	-0.4895	0.489503	1	-0.576777	139.473	92.1778

FBgn02633	12798308	CG43400	0.488933	0.488933	1	0.962047	3.64838	7.04994
FBgn00531	326270	MtnD	-0.48893	0.488928	1	-0.779677	37.2446	21.3405
FBgn00332	35829	Mal-A7	-0.48884	0.488839	1	-0.535609	133.742	90.9592
FBgn00002	34568	salr	-0.48868	0.48868	1	-0.660364	5.08314	3.1687
FBgn02591	318020	CG42272	-0.48847	0.488468	1	-0.787868	3.99044	2.27314
FBgn00389	42582	CG6690	-0.48781	0.487811	1	-0.591779	42.2109	27.6068
FBgn00384	42055	CG18213	0.486195	0.486195	1	0.689582	4.13805	6.5848
FBgn02676	26067318	CR45997	0.484952	0.484952	1	0.967302	4.81529	9.34142
FBgn02649	14462776	CG44140	0.48459	0.48459	1	0.740642	17.6835	29.1691
FBgn00000	3771877	Adh	-0.48457	0.484573	1	-0.510643	514.224	355.845
FBgn00326	35087	CG15155	0.483305	0.483305	1	0.572691	73.692	108.069
FBgn00000	3772432	Adhr	-0.48286	0.482856	1	-0.50901	543.91	376.814
FBgn00285	34800	CG7916	-0.48226	0.482264	1	-0.545037	219.169	148.083
FBgn02634	12798494	CR43452	-0.48215	0.482153	1	-1.24059	1.92197	0.782248
FBgn00034	41919	spn-E	0.481933	0.481933	1	0.675848	2.93045	4.61859
FBgn00025	35825	Mal-A2	-0.48176	0.481756	1	-0.554311	74.6107	50.0869
FBgn00103	47901	betaTry	-0.48084	0.480835	1	-0.533011	272.25	185.492
FBgn00314	33511	CG17264	0.479388	0.479388	1	0.61621	10.0717	15.2252
FBgn00393	43052	CG10514	-0.47833	0.478327	1	-0.544621	133.504	90.2284
FBgn02671	19835415	CR45568	0.477358	0.477358	1	1.21622	1.02425	2.39317
FBgn00518	318954	CG31809	-0.47727	0.477268	1	-0.774141	7.29455	4.19537
FBgn02644	14462477	CR43849	-0.47696	0.476963	1	-0.829762	10.924	6.03797
FBgn00285	34828	CG15293	0.476225	0.476225	1	0.521998	194.417	275.243
FBgn02627	3772559	Skeletor	0.475721	0.475721	1	0.618003	4.84156	7.32818
FBgn00332	35830	Mal-A8	-0.4751	0.475104	1	-0.518543	230.654	158.738
FBgn00117	34392	RnrL	0.474695	0.474695	1	0.641672	7.26187	11.175
FBgn00341	36873	Acp53C14b	-0.47373	0.47373	1	-0.519646	634.838	436.565
FBgn00504	246614	CG30438	0.473655	0.473655	1	0.536822	40.9468	58.57
FBgn00339	12798454	CR10102	0.473612	0.473612	1	0.50963	312.762	439.003
FBgn00302	32051	CG15199	-0.47255	0.472551	1	-0.645589	41.4586	26.1103
FBgn02672	19835239	lncRNA:TS1	-0.47239	0.472387	1	-1.35195	0.556132	0.207092
FBgn00314	33503	CG3165	0.471253	0.471253	1	0.573238	38.862	57.0145
FBgn00330	35505	scaf	0.468995	0.468995	1	0.596124	9.47769	14.1284
FBgn00332	35789	Obp44a	-0.46803	0.468034	1	-0.599704	43.493	28.2855

FBgn00337	36412	Cyp9h1	-0.46625	0.466248	1	-0.625596	19.9306	12.7288
FBgn00523	326211	CG32379	-0.46568	0.465676	1	-1.11228	1.84179	0.826557
FBgn00383	41949	CG10407	-0.46325	0.46325	1	-0.500494	502.323	350.058
FBgn00516	318859	CG31626	0.462497	0.462497	1	1.03394	0.99965	2.03776
FBgn02667	19834868	CR45256	-0.46149	0.461487	1	-1.39902	2.17703	0.780334
FBgn00137	36663	Cyp6a9	-0.45876	0.458763	1	-0.541528	59.0819	40.0141
FBgn02620	10178869	CR42842	-0.45717	0.457174	1	-0.907167	13.3977	6.99904
FBgn00346	37466	ND-B12	-0.4566	0.456597	1	-0.661927	32.3951	20.1664
FBgn02634	12798039	CR43487	0.454776	0.454776	1	0.930104	2.83038	5.34863
FBgn02599	8673984	Sfp24Ba	-0.4539	0.4539	1	-0.593142	79.904	52.2
FBgn02660	19835701	CR44779	0.453185	0.453185	1	0.643848	2.19705	3.38655
FBgn00370	40339	CG10512	-0.45308	0.453079	1	-0.568848	24.9957	16.6089
FBgn00393	43064	CG10553	0.452866	0.452866	1	0.543155	45.9329	65.995
FBgn02625	42185	Mdh2	-0.45193	0.451932	1	-0.526985	105.123	71.9196
FBgn02653	19836230	CR44318	-0.45037	0.450371	1	-1.14279	4.30554	1.88623
FBgn02649	14462774	CG44141	0.449711	0.449711	1	0.702713	18.3242	29.4386
FBgn02620	10178877	CG42818	-0.44965	0.449646	1	-0.675659	4.64767	2.86518
FBgn00405	35544	CG8343	-0.44959	0.449585	1	-0.574001	82.2299	54.442
FBgn00407	50220	CG12853	-0.44882	0.448816	1	-0.575919	151.204	99.9729
FBgn02655	19835895	CR44379	-0.44821	0.448213	1	-1.42654	2.48484	0.870875
FBgn00227	49815	Cht4	0.448182	0.448182	1	0.584007	19.576	28.9388
FBgn00416	34930	Ku80	0.447051	0.447051	1	0.609409	8.67749	13.0575
FBgn00334	36016	CG1667	0.446801	0.446801	1	0.528631	51.414	73.1284
FBgn00317	33810	CG11034	0.446758	0.446758	1	0.595334	9.41062	14.0221
FBgn00315	33593	CG3604	0.446451	0.446451	1	0.600058	35.5184	53.0983
FBgn00380	41574	CG5999	-0.44536	0.445355	1	-0.985169	1.88491	0.929535
FBgn00673	2768933	CheB38b	0.443795	0.443795	1	0.825022	4.80114	8.41338
FBgn00132	48583	Hsp70Bc	0.442954	0.442954	1	0.768769	1.95788	3.29615
FBgn00318	33987	MME1	0.442799	0.442799	1	0.603111	16.5053	24.7277
FBgn00328	35270	CG13962	-0.44261	0.442614	1	-1.3031	1.77181	0.68434
FBgn02610	8673987	Sfp96F	-0.44185	0.441848	1	-0.854148	30.7859	16.7066
FBgn00116	43122	Mst57Db	-0.43991	0.439913	1	-0.514325	728.39	502.718
FBgn00339	36665	Cyp6a21	0.439155	0.439155	1	0.566425	20.254	29.5771
FBgn02623	12798556	CG43055	-0.43717	0.437168	1	-0.546822	109.658	73.9882

FBgn00440	31220	Ilp6	0.4362	0.4362	1	0.591164	9.14978	13.5944
FBgn00116	49821	EbpIII	0.435063	0.435063	1	0.467235	461.517	629.039
FBgn00323	34598	Mal-B2	0.434709	0.434709	1	0.513849	37.386	52.6332
FBgn00002	43596	CecA1	0.434389	0.434389	1	0.57507	79.4825	116.774
FBgn00309	32835	CG15043	-0.43412	0.434121	1	-0.499348	203.576	141.974
FBgn00369	40235	Spn77Bb	0.434052	0.434052	1	0.47983	226.74	311.755
FBgn02655	19835353	CR44391	-0.43357	0.433569	1	-0.572548	56.7924	37.6355
FBgn00003	45280	cv-2	0.433498	0.433498	1	0.562805	7.39967	10.7788
FBgn00307	32650	CG4653	-0.43312	0.433116	1	-0.604174	30.9445	20.0572
FBgn02676	26067347	CR46028	0.433101	0.433101	1	1.29447	0.419639	1.04499
FBgn00344	37267	Obp56e	0.433057	0.433057	1	0.714949	11.9694	19.3994
FBgn00346	37489	CG4377	-0.43252	0.432515	1	-0.513235	153.042	105.704
FBgn00332	35827	Mal-A4	0.432413	0.432413	1	0.542701	24.8329	35.6698
FBgn00155	40078	Acp76A	-0.43199	0.431986	1	-0.513462	98.5617	68.0643
FBgn00308	32784	CG15373	-0.43151	0.431512	1	-1.52866	0.303514	0.098192
FBgn00011	34193	Glt	0.430529	0.430529	1	0.499773	33.8658	47.2135
FBgn00040	32339	Yp3	0.429827	0.429827	1	0.61168	8.51465	12.834
FBgn02616	33072	Npc1b	0.429485	0.429485	1	0.506248	23.3531	32.7042
FBgn02680	38845	ltl	0.428625	0.428625	1	0.515322	17.6397	24.8596
FBgn00286	34939	beat-Ib	-0.42759	0.427588	1	-0.703633	4.20666	2.54182
FBgn00028	47852	Acp95EF	-0.42746	0.427463	1	-0.48604	933.294	656.919
FBgn00839	4379892	CG34136	0.426986	0.426986	1	0.662013	13.2337	20.6643
FBgn00397	43602	CG9682	-0.42511	0.42511	1	-0.556635	27.9415	18.7227
FBgn00320	34165	CG13386	-0.42475	0.424747	1	-1.04467	2.45851	1.15876
FBgn00258	5740847	CG17636	-0.42468	0.424678	1	-0.604995	12.2371	7.9266
FBgn00387	42319	CG18493	0.423769	0.423769	1	0.486489	89.2971	123.35
FBgn00100	48335	GstD2	0.423329	0.423329	1	0.579841	29.5871	43.6158
FBgn00342	37019	CG6406	0.422152	0.422152	1	0.564164	9.68156	14.1168
FBgn00361	39220	CG6409	0.421409	0.421409	1	0.451627	394.929	532.487
FBgn02658	19835635	CG44622	0.420985	0.420985	1	1.24811	0.786979	1.89131
FBgn02650	14462737	CR44180	0.420753	0.420753	1	2.16322	0.33705	1.77191
FBgn00390	42727	CG17111	0.420424	0.420424	1	0.503671	26.6601	37.2694
FBgn00540	3885606	CG34043	0.419914	0.419914	1	0.515407	48.6559	68.5759
FBgn00519	33338	CG31935	0.41982	0.41982	1	0.570012	7.7382	11.3294

FBgn00409	50442	CG14933	0.418373	0.418373	1	0.479022	126.502	173.84
FBgn00535	3346221	lectin-37Db	0.418137	0.418137	1	0.528424	79.2636	112.732
FBgn00454	117479	Gr64c	0.417786	0.417786	1	1.14014	0.282152	0.624012
FBgn00454	117480	Gr64b	0.417786	0.417786	1	1.14014	0.282152	0.624012
FBgn00510	43638	CG31021	-0.41771	0.417712	1	-0.58496	19.2193	12.6249
FBgn00032	36855	RpLP2	-0.41715	0.417145	1	-0.482214	303.709	214.337
FBgn00301	31967	Psf3	0.41689	0.41689	1	0.504488	29.9213	41.8524
FBgn00312	33206	CG11911	0.416433	0.416433	1	0.555409	28.6379	41.5038
FBgn00353	38310	CG16762	-0.4164	0.416398	1	-0.507835	105.885	73.4051
FBgn02670	19835842	CR45512	-0.41542	0.415415	1	-2.49213	0.608096	0.058124
FBgn02673	19835301	CR45741	-0.41542	0.415415	1	-3.49213	1.2798	0
FBgn02625	12798252	CG43120	-0.415	0.415	1	-0.518134	58.1968	40.0563
FBgn00527	318210	CG32786	-0.4147	0.414699	1	-0.529323	18.1621	12.4036
FBgn00376	41097	CG8420	-0.41434	0.414339	1	-0.520618	29.8951	20.5408
FBgn00397	43533	Zip99C	0.414033	0.414033	1	0.468157	84.9833	115.907
FBgn00853	5740430	CG34299	-0.41342	0.413419	1	-0.631027	21.5771	13.7218
FBgn00132	44920	Hsp70Ab	0.412963	0.412963	1	0.637264	4.35539	6.68439
FBgn00524	38013	mthl8	0.412791	0.412791	1	0.529326	11.6832	16.627
FBgn02599	8673962	CG42486	0.412777	0.412777	1	0.474094	158.441	216.987
FBgn02671	19836206	CR45571	-0.41233	0.41233	1	-0.755164	2.09496	1.21995
FBgn02677	26067376	asRNA:CR4	0.411355	0.411355	1	0.524599	58.2559	82.6354
FBgn00312	33248	GABA-B-R3	-0.4113	0.411303	1	-0.610049	2.91702	1.88261
FBgn02642	14462773	CR43761	-0.41123	0.411225	1	-1.02535	1.2758	0.609729
FBgn00347	37580	RpS16	-0.41067	0.410667	1	-0.495063	145.192	101.552
FBgn00345	37313	GNBP-like3	0.410538	0.410538	1	0.519139	89.467	126.427
FBgn00322	34471	CG17108	-0.41049	0.410485	1	-0.551525	34.3282	23.0828
FBgn02634	12798513	asRNA:CR4	-0.40997	0.409972	1	-0.592913	21.9512	14.3384
FBgn00316	33675	CG15631	-0.40928	0.40928	1	-0.484545	68.7429	48.4344
FBgn00366	39872	CG9701	0.40905	0.40905	1	0.568912	10.4153	15.238
FBgn00309	32905	Mec2	-0.40887	0.408866	1	-0.523704	48.2235	33.0623
FBgn00380	41589	CG7381	-0.40742	0.407423	1	-0.494678	29.2442	20.4597
FBgn00196	37867	AANAT1	-0.40666	0.406655	1	-0.517385	33.9514	23.3799
FBgn00385	42116	CG14329	0.406224	0.406224	1	0.821287	2.54621	4.45307
FBgn00378	41358	scpr-A	-0.40525	0.405249	1	-0.467826	225.893	161.018

FBgn02658	19836055	CR44602	0.404835	0.404835	1	0.915956	0.577237	1.08108
FBgn02659	19834740	CR44750	0.403815	0.403815	1	0.964826	2.06269	4.00386
FBgn02598	34816	NimC1	0.403666	0.403666	1	0.672171	2.16236	3.40145
FBgn00356	38679	CG10477	0.402252	0.402252	1	0.462935	110.573	150.264
FBgn00395	43316	CG5612	-0.40035	0.400347	1	-0.474934	92.3134	65.4766
FBgn00519	319020	CG31909	-0.39947	0.399471	1	-0.515274	93.1609	64.2458
FBgn00520	317827	CG32023	-0.39916	0.399158	1	-0.550661	65.8884	44.3281
FBgn00349	45329	RpL12	-0.39906	0.399064	1	-0.44927	263.681	190.392
FBgn00393	43053	CG11892	-0.39893	0.398931	1	-0.441758	259.551	188.391
FBgn00345	37412	hng1	-0.39872	0.398724	1	-0.644132	12.5786	7.92442
FBgn00338	36478	CG17047	0.398495	0.398495	1	1.09283	0.464896	0.99288
FBgn00001	43038	bam	0.39784	0.39784	1	0.663149	3.86121	6.03563
FBgn00634	37108	GstE3	0.397434	0.397434	1	0.48087	104.744	144.13
FBgn02677	26067362	CR46043	-0.39717	0.397168	1	-0.760126	11.0276	6.39705
FBgn00384	42023	CG14893	-0.39677	0.39677	1	-0.640267	8.17066	5.16142
FBgn00342	36962	CG10764	0.396058	0.396058	1	0.673783	3.90928	6.15686
FBgn00382	41731	CG9616	0.395895	0.395895	1	0.972539	2.47731	4.83731
FBgn00337	36430	CG13321	-0.39589	0.395886	1	-0.520563	24.7442	17.001
FBgn00333	35835	Cyp6a14	-0.39534	0.395344	1	-0.579486	7.9877	5.26633
FBgn02508	33751	CG14034	-0.39523	0.395234	1	-0.495776	67.6733	47.3072
FBgn00322	34368	CG5676	0.395189	0.395189	1	0.487614	83.6006	115.577
FBgn00650	3772182	snoRNA:66	0.394866	0.394866	1	0.471942	968.306	1324.17
FBgn00387	42338	CG16727	0.39471	0.39471	1	0.525048	15.8362	22.4718
FBgn00005	45845	Dsk	-0.39467	0.39467	1	-0.567875	46.7678	31.0863
FBgn00360	39124	CG18179	0.393693	0.393693	1	1.4554	0.415501	1.17618
FBgn00161	43671	Alp4	-0.39272	0.392718	1	-0.447268	106.753	77.1883
FBgn00320	34227	CG9568	-0.39241	0.392413	1	-0.458939	269.905	193.578
FBgn00389	42622	CG18596	0.3924	0.3924	1	0.491186	15.3335	21.2513
FBgn00328	35303	CG10651	-0.39133	0.391331	1	-0.629354	13.5495	8.62491
FBgn02648	14462394	asRNA:CR4	-0.39127	0.391271	1	-0.519065	31.63	21.7543
FBgn00001	43739	awd	-0.39082	0.390818	1	-0.531281	54.9629	37.4806
FBgn00217	43900	Crg-1	-0.39077	0.390773	1	-0.739159	5.65175	3.32773
FBgn00339	36661	Cyp6a23	-0.39062	0.390616	1	-0.488202	46.3285	32.557
FBgn02508	39846	UQCR-C2	-0.39053	0.39053	1	-0.547078	19.1809	12.9362

FBgn00438	34652	vir-1	0.39052	0.39052	1	0.42099	285.838	377.3
FBgn00331	35652	Dscam1	-0.39038	0.390379	1	-0.476188	3.96592	2.81044
FBgn00000	36932	Amy-d	-0.39011	0.390112	1	-0.540525	21.7639	14.7457
FBgn00500	246448	CG30090	0.388657	0.388657	1	0.593647	12.5812	18.7301
FBgn00321	34318	TbCMF46	-0.38845	0.388448	1	-0.715801	4.43202	2.65334
FBgn00305	32409	CG14410	-0.38838	0.388384	1	-0.79585	8.53469	4.82451
FBgn00289	49807	Spn28F	-0.38833	0.388328	1	-0.457795	131.331	94.2654
FBgn00360	39125	CG18180	0.388265	0.388265	1	0.545701	24.0723	34.6555
FBgn00344	37284	Efhc1.2	-0.38798	0.387976	1	-0.604416	6.70299	4.34228
FBgn00514	318734	CG31436	0.387432	0.387432	1	0.608901	7.6359	11.4902
FBgn00361	39280	CG7551	-0.3871	0.387097	1	-0.520626	38.7726	26.6371
FBgn00024	38701	l(3)mbn	0.386942	0.386942	1	1.98592	0.0718826	0.314913
FBgn00380	41586	Cyp304a1	0.38598	0.38598	1	0.707377	2.85196	4.60015
FBgn00136	19893533	mt:CoI	0.385562	0.385562	1	0.391212	11577.9	14970.2
FBgn00396	43431	CG11842	0.384699	0.384699	1	0.599663	10.1974	15.2459
FBgn00326	35049	SPH93	0.384549	0.384549	1	0.531797	15.6992	22.3833
FBgn00296	31348	CG2941	-0.38117	0.381174	1	-0.519115	10.4292	7.17234
FBgn02655	19835555	CR44396	-0.38112	0.381118	1	-0.840933	5.40075	2.95435
FBgn00343	37102	CG15067	0.380444	0.380444	1	0.461095	119.791	162.59
FBgn02648	14462869	CR44050	-0.38043	0.380429	1	-0.920223	2.64825	1.3669
FBgn02657	19834942	CR44577	-0.38042	0.380415	1	-0.895293	4.64734	2.44316
FBgn02628	12798570	CG43185	-0.37947	0.37947	1	-0.58236	35.9126	23.6266
FBgn00387	42340	subdued	0.37828	0.37828	1	0.464242	17.2106	23.4107
FBgn00403	31033	CG11664	-0.37747	0.377469	1	-0.695221	9.34251	5.67474
FBgn00500	246406	CG30033	-0.37716	0.377155	1	-0.721611	7.04878	4.20165
FBgn00412	117349	Gr22f	0.376954	0.376954	1	1.09283	0.733683	1.56854
FBgn00349	37832	CG3907	-0.37626	0.376257	1	-0.455852	68.5801	49.2901
FBgn00394	43273	grass	0.376241	0.376241	1	0.65205	4.87765	7.5666
FBgn00345	37336	maf-S	0.375423	0.375423	1	0.490745	63.7916	88.3884
FBgn00332	35745	MFS12	0.374755	0.374755	1	0.459819	31.6444	42.9124
FBgn00502	246532	CG30289	0.374186	0.374186	1	1.07081	0.764442	1.60751
FBgn02652	19835015	CR44264	-0.37381	0.373811	1	-0.864098	4.06094	2.18377
FBgn00155	40908	alpha-Est2	0.373575	0.373575	1	0.504109	14.9488	20.9066
FBgn00504	246595	CG30403	0.373519	0.373519	1	0.829799	1.82015	3.20495

FBgn00510	43586	CG31028	0.372673	0.372673	1	0.68026	1.429	2.26147
FBgn02656	19835245	CR44486	-0.37258	0.37258	1	-1.0526	2.79619	1.30666
FBgn02670	19835590	CG45491	0.37204	0.37204	1	0.641798	11.6888	18.0028
FBgn00322	34457	CG7329	-0.37189	0.371891	1	-0.5002	24.1094	16.8002
FBgn00399	49895	CG17018	0.371762	0.371762	1	0.568273	2.57027	3.75945
FBgn00137	41742	Crz	-0.37084	0.370836	1	-0.6821	13.0529	8.00204
FBgn00389	42598	CG5778	0.370768	0.370768	1	0.468213	88.5409	120.773
FBgn00516	318866	CG31639	-0.37037	0.370371	1	-0.450685	187.618	135.329
FBgn00041	40887	Mst84Dc	-0.36862	0.36862	1	-0.448341	331.764	239.691
FBgn00315	33547	CG3285	0.367957	0.367957	1	0.528187	12.9059	18.3557
FBgn00315	33522	CG17261	-0.36682	0.366823	1	-0.48832	60.4769	42.4922
FBgn00390	42775	CG16732	0.366667	0.366667	1	0.579728	6.64321	9.79539
FBgn00368	40060	RpL26	-0.36631	0.36631	1	-0.450005	92.7122	66.9042
FBgn00029	41366	Blm	0.36601	0.36601	1	0.517597	4.91215	6.935
FBgn02647	14462850	CG43993	-0.36564	0.365638	1	-0.675496	22.0314	13.5687
FBgn00345	37388	CG15653	0.365517	0.365517	1	0.71627	5.74904	9.3343
FBgn02674	26067138	CR45808	0.364789	0.364789	1	0.698055	8.70282	13.9487
FBgn00267	53584	Ugt37b1	-0.36425	0.364247	1	-0.648079	5.83299	3.66296
FBgn00039	32026	v	-0.36386	0.363859	1	-0.521717	24.1203	16.5562
FBgn00103	38784	Dbi	-0.36346	0.363459	1	-0.471384	153.258	108.96
FBgn02650	19835357	CR44178	-0.36277	0.362769	1	-0.579152	15.8379	10.4416
FBgn00332	35719	CG1942	0.362566	0.362566	1	0.709092	3.21747	5.1976
FBgn00286	38589	Rh50	0.362522	0.362522	1	0.519693	7.47764	10.5726
FBgn02633	12798123	CR43421	-0.36201	0.362008	1	-1.8247	1.38404	0.352778
FBgn02615	10178825	CG42650	-0.36197	0.361965	1	-0.542755	31.5868	21.3637
FBgn00540	3885585	CG34027	0.361831	0.361831	1	0.717324	0.872005	1.41694
FBgn00347	37574	CG11362	-0.36149	0.361489	1	-0.547521	29.8784	20.1407
FBgn02676	26067349	CR46030	-0.36146	0.361464	1	-1.27914	2.46025	0.962519
FBgn00366	39844	Smn	-0.36129	0.361292	1	-0.626854	10.6003	6.75724
FBgn00306	32474	CG6294	-0.36103	0.361033	1	-0.565576	6.03226	4.01504
FBgn00012	45879	ImpE1	0.360768	0.360768	1	1.23034	0.0843431	0.200698
FBgn00510	318554	CG31008	-0.36074	0.360735	1	-0.588882	29.1207	19.0673
FBgn00387	42381	CG4783	-0.36058	0.360576	1	-0.462075	181.964	130.209
FBgn00346	37416	CG4286	-0.36029	0.360292	1	-0.469608	78.5426	55.909

FBgn02631	45780	Prosalpha1	0.35998	0.35998	1	0.443827	81.7554	109.644
FBgn00331	35599	Spn42Db	0.35922	0.35922	1	0.603318	5.93182	8.89294
FBgn00530	31491	CG33080	-0.3589	0.358897	1	-0.487837	12.5861	8.84592
FBgn02508	38682	Jon65Aiv	-0.35836	0.358359	1	-0.436817	136.911	99.7081
FBgn00316	33646	CG15431	-0.35823	0.358226	1	-0.530399	4.13974	2.82419
FBgn00313	33303	Charon	0.35806	0.35806	1	0.460929	29.0417	39.4149
FBgn00285	34801	CG7953	-0.35782	0.357816	1	-0.397787	407.701	305.083
FBgn00315	33594	CG10031	0.357625	0.357625	1	0.508289	41.5412	58.2703
FBgn02675	26067230	CR45902	-0.35761	0.357614	1	-0.852305	5.69479	3.08738
FBgn00332	35707	CG2065	0.357353	0.357353	1	0.510909	18.6956	26.2725
FBgn02666	19834925	CR45188	-0.35729	0.357285	1	-0.677685	7.06781	4.34562
FBgn00693	34499	Porin2	-0.35716	0.357158	1	-0.438494	102.155	74.3095
FBgn02625	12797927	CR43086	-0.35713	0.357134	1	-0.560435	18.7092	12.4974
FBgn00523	317997	CG32368	0.35698	0.35698	1	0.410129	486.547	637.427
FBgn00298	31541	CG4666	-0.35649	0.356491	1	-0.455603	57.2657	41.1628
FBgn00350	37901	CG4563	-0.35648	0.356482	1	-0.907167	1.65328	0.860871
FBgn00175	31762	ND-75	-0.35646	0.356462	1	-0.450296	33.0005	23.8088
FBgn02604	246384	CG30002	0.356106	0.356106	1	0.504235	15.796	22.0948
FBgn00343	37086	CG14499	-0.35586	0.355858	1	-0.437603	131.528	95.7352
FBgn00337	36410	CG12374	-0.35541	0.355407	1	-0.423828	110.657	81.319
FBgn02508	39547	26-29-p	0.355331	0.355331	1	0.407292	111.598	145.917
FBgn02630	12798298	CG43321	-0.35527	0.355274	1	-0.55225	37.6569	25.2987
FBgn00380	41556	CG11608	-0.35509	0.355085	1	-0.503507	25.649	17.8302
FBgn02658	19835094	CR44609	0.354286	0.354286	1	1.6778	0.221566	0.745473
FBgn00323	34537	AstC	-0.3542	0.3542	1	-0.494153	32.9885	23.0827
FBgn00347	37613	CG13526	-0.35387	0.353871	1	-0.633882	15.2977	9.70238
FBgn02625	12797928	CR43087	-0.35337	0.353371	1	-0.503136	34.7652	24.1735
FBgn02592	35494	laccase2	0.352968	0.352968	1	0.514606	3.20054	4.50936
FBgn00533	3771976	CR33318	-0.35289	0.352889	1	-0.586882	27.9661	18.3357
FBgn00518	318955	CG31810	-0.35227	0.352273	1	-0.546946	18.326	12.3574
FBgn00409	50381	mRpL33	0.351899	0.351899	1	0.667417	14.7399	23.1211
FBgn00034	43256	spz	0.351275	0.351275	1	0.475488	15.0913	20.6906
FBgn00522	10178801	hpRNA:CR3	-0.35104	0.351044	1	-0.575185	13.1328	8.68148
FBgn00257	37288	Ate1	-0.35093	0.350934	1	-0.479351	26.088	18.4437

FBgn00204	34978	Idgf1	0.350735	0.350735	1	0.425872	68.6794	90.967
FBgn00373	40655	POLDIP2	-0.35071	0.350708	1	-0.475928	29.3837	20.8234
FBgn00041	40888	Mst84Db	-0.3506	0.350604	1	-0.502224	81.6107	56.7822
FBgn00518	318951	CG31804	-0.35055	0.350554	1	-0.47224	60.8107	43.2058
FBgn00500	246444	CG30083	-0.3504	0.350402	1	-0.697244	7.94474	4.81661
FBgn00519	319014	Mur29B	0.350205	0.350205	1	0.385263	245.448	316.062
FBgn00383	41882	CG6125	0.350145	0.350145	1	0.432265	32.7375	43.5545
FBgn02651	19835749	CG44245	0.3498	0.3498	1	0.39977	98.5023	128.124
FBgn00503	246565	Mal-A6	-0.34949	0.349494	1	-0.377495	415.327	315.195
FBgn00297	31464	frma	0.348934	0.348934	1	0.449113	18.6094	25.05
FBgn02668	19835036	CR45353	-0.34864	0.348638	1	-1.29948	1.95217	0.750938
FBgn02658	19835527	CR44601	-0.34832	0.34832	1	-0.881632	5.47257	2.90292
FBgn00317	33791	CG7251	-0.34769	0.34769	1	-0.456962	51.6536	37.0925
FBgn00854	31591	CG34417	0.347226	0.347226	1	0.382786	22.3093	28.6782
FBgn00522	3772102	hpRNA:CR3	-0.34651	0.346509	1	-0.687998	5.49239	3.35167
FBgn00315	33527	CG15403	-0.34648	0.346483	1	-0.487026	45.8565	32.2456
FBgn00513	41355	CG31388	-0.34644	0.346436	1	-0.516907	17.2323	11.8668
FBgn00332	35708	CG2064	0.345724	0.345724	1	0.44325	48.3743	64.8519
FBgn00028	33816	Acp26Ab	-0.34555	0.34555	1	-0.403468	445.181	331.811
FBgn00306	32472	CG11655	-0.34535	0.345353	1	-0.563358	9.71614	6.47623
FBgn00313	33306	CG5126	0.345308	0.345308	1	0.523696	10.1919	14.4516
FBgn02670	19836030	CG45489	0.34416	0.34416	1	0.641037	9.63414	14.8343
FBgn00394	43176	CG14556	-0.34398	0.343978	1	-0.481819	33.6207	23.7275
FBgn00308	32680	CG4880	0.343749	0.343749	1	0.511499	11.3516	15.9597
FBgn00350	37971	CG12849	0.343471	0.343471	1	2.31523	0.107154	0.732321
FBgn00386	42294	Cyp12a4	-0.34307	0.343066	1	-0.408129	104.934	77.9583
FBgn00306	32475	CG6299	-0.34262	0.342621	1	-0.538945	6.77198	4.59182
FBgn00309	32816	CG6106	0.342372	0.342372	1	0.934136	0.534305	1.01599
FBgn00218	47399	Reph	0.341539	0.341539	1	0.438764	12.0609	16.1189
FBgn00347	37627	CG13531	0.341249	0.341249	1	0.444306	9.24759	12.4068
FBgn00377	41169	Fst	0.340925	0.340925	1	0.417888	80.5611	106.116
FBgn00219	44087	Rs1	0.340377	0.340377	1	0.497023	8.14547	11.337
FBgn00373	40654	RpL35A	-0.34034	0.340344	1	-0.518331	39.7621	27.3533
FBgn00032	35246	ref(2)P	0.339481	0.339481	1	0.37296	212.526	271.344

FBgn00011	36782	Got1	-0.3392	0.339202	1	-0.387667	180.004	135.644
FBgn00308	32683	wus	-0.33891	0.338908	1	-0.632828	4.4375	2.81598
FBgn00112	46246	Pglym87	-0.33868	0.338679	1	-0.431525	81.2157	59.3622
FBgn02642	14462693	CG43774	-0.33845	0.338454	1	-0.573611	32.8854	21.7605
FBgn00503	246540	CG30324	-0.33827	0.338267	1	-0.441893	109.553	79.498
FBgn00347	37570	CG4554	0.337886	0.337886	1	0.478665	3.29058	4.52168
FBgn00041	40889	Mst84Da	-0.33781	0.337809	1	-0.545817	50.9528	34.3815
FBgn00025	35824	Mal-A1	-0.33777	0.337774	1	-0.357358	1057.27	813.659
FBgn00297	31402	CG3009	-0.33717	0.337167	1	-0.576625	5.61749	3.7092
FBgn02620	10178844	CG42831	0.336844	0.336844	1	0.558624	8.56601	12.4475
FBgn00533	2768721	CheB42a	0.336525	0.336525	1	0.694513	5.69774	9.11268
FBgn00364	39580	CG3868	0.336332	0.336332	1	0.406478	97.0287	126.799
FBgn00338	36532	CG6357	0.335932	0.335932	1	0.376601	239.048	305.979
FBgn00346	37421	CG15661	0.335492	0.335492	1	0.492064	11.7435	16.2887
FBgn00310	32988	CG14234	-0.33542	0.335422	1	-0.520453	6.28285	4.31556
FBgn00044	47218	RpS14a	0.335404	0.335404	1	0.415494	99.9071	131.381
FBgn00527	318166	CG32713	0.335142	0.335142	1	0.515677	20.8899	29.4569
FBgn00519	33603	CR31958	0.33508	0.33508	1	0.804328	3.62495	6.27186
FBgn00386	42257	CG7720	-0.33487	0.334872	1	-0.404155	48.0668	35.8082
FBgn00324	34693	CG16800	0.334689	0.334689	1	2.09283	0.107987	0.539314
FBgn00522	317934	CG32241	0.334689	0.334689	1	2.09283	0.0808919	0.403995
FBgn00390	42682	Cyp6d4	0.33439	0.33439	1	0.495034	11.3039	15.7115
FBgn02591	32043	CG42249	-0.33423	0.33423	1	-0.476874	14.3128	10.1356
FBgn00325	34986	CG5968	-0.33417	0.334166	1	-0.420554	140.225	103.278
FBgn00101	32838	Wnt5	-0.33348	0.333482	1	-0.575283	3.40205	2.2484
FBgn00319	34027	CG6055	-0.33277	0.332771	1	-0.576882	11.5004	7.59194
FBgn00396	43461	CG14507	-0.33267	0.332672	1	-0.62219	7.82554	5.00317
FBgn02643	14462633	asRNA:CR4	0.332371	0.332371	1	0.427386	31.7525	42.1024
FBgn02625	12798514	CG43091	0.331994	0.331994	1	0.671772	8.05327	12.6745
FBgn00132	48581	Hsp70Aa	0.331684	0.331684	1	0.571436	3.87564	5.68283
FBgn00203	44219	Sr-CII	-0.33163	0.331628	1	-0.786485	1.73718	0.987303
FBgn00158	36236	Drip	-0.33063	0.330634	1	-0.410229	47.6128	35.3201
FBgn00000	42126	Mps1	0.330595	0.330595	1	0.503466	8.50692	11.894
FBgn02643	14462686	CR43823	0.330531	0.330531	1	0.892535	0.864876	1.59565

FBgn00372	40615	plh	0.33	0.33	1	0.490343	23.5832	32.6723
FBgn00356	38636	mthl2	-0.32939	0.329389	1	-0.736366	2.48688	1.46542
FBgn00310	32989	COX6B	-0.32924	0.329241	1	-0.412331	138.469	102.569
FBgn00338	36472	CG10799	-0.32922	0.329215	1	-0.419225	157.633	116.205
FBgn02664	19835480	CR45054	-0.32919	0.329192	1	-0.812702	1.89492	1.05656
FBgn00030	39494	SP	-0.32914	0.329141	1	-0.445536	252.504	182.761
FBgn02654	19836152	CR44343	0.32781	0.32781	1	0.80028	2.16458	3.7348
FBgn00394	3772449	CG14245	-0.32766	0.327658	1	-0.56891	22.2001	14.7371
FBgn00330	35520	CG7882	0.327517	0.327517	1	0.415535	32.0033	42.0872
FBgn00395	43306	CG5402	0.327516	0.327516	1	0.407158	144.459	188.873
FBgn00150	37941	Cyp9c1	0.327477	0.327477	1	0.423116	35.1451	46.4631
FBgn00854	5740622	CG34426	0.326616	0.326616	1	0.440824	41.7643	55.8984
FBgn00407	50205	CG16926	0.326503	0.326503	1	0.371771	284.4	362.813
FBgn00174	26067081	asRNA:CR1	0.326276	0.326276	1	0.547597	4.58005	6.60456
FBgn00389	42635	pinta	-0.32607	0.326069	1	-0.496645	19.8855	13.8879
FBgn02645	14462827	CR43932	-0.32598	0.325981	1	-0.712728	13.1473	7.87934
FBgn00025	44522	robo2	0.325366	0.325366	1	0.523844	2.20893	3.13282
FBgn00012	3772576	Hsp22	0.325338	0.325338	1	0.45651	16.9327	22.9122
FBgn00344	37270	Obp56g	0.325063	0.325063	1	0.359824	957.951	1211.99
FBgn02664	42676	wake	0.324065	0.324065	1	0.429969	5.1884	6.89207
FBgn00295	31036	CG11663	-0.32403	0.32403	1	-0.790127	6.05986	3.43427
FBgn00299	31702	dpr14	-0.32366	0.323659	1	-0.499313	6.43276	4.48413
FBgn02628	12797917	CG43249	-0.32356	0.323564	1	-0.687525	19.2243	11.7307
FBgn00116	47954	Mst57Da	-0.32298	0.322977	1	-0.498506	77.5162	54.0651
FBgn00315	33615	CG15422	0.322807	0.322807	1	0.524342	19.3472	27.4491
FBgn00321	34356	CG5727	-0.32278	0.32278	1	-0.502113	31.3004	21.7759
FBgn00374	40857	CG2656	0.322652	0.322652	1	0.501946	16.6675	23.2799
FBgn00679	3772138	IM18	0.322368	0.322368	1	0.476393	31.3436	43.0042
FBgn02604	37735	CG10332	0.322368	0.322368	1	0.476393	31.3436	43.0042
FBgn00524	261603	CG32445	-0.32182	0.321824	1	-0.440834	39.756	28.8689
FBgn00315	33591	CG16713	0.321356	0.321356	1	0.443121	115.419	154.729
FBgn00320	34205	LManV	-0.32102	0.321018	1	-0.728461	1.63728	0.970112
FBgn00327	35228	CG10195	-0.3208	0.320803	1	-0.482642	13.9164	9.81452
FBgn02604	39506	CG14106	-0.32048	0.320476	1	-0.505402	20.6592	14.3394

FBgn00360	39197	CG6527	-0.32044	0.320442	1	-0.409916	49.0858	36.4198
FBgn00343	37130	CG10924	-0.32029	0.320288	1	-0.53716	4.75306	3.22633
FBgn00406	50126	IM4	-0.32028	0.320282	1	-0.472378	43.3594	30.7993
FBgn00347	37553	CG11298	-0.32021	0.320207	1	-0.561344	23.9459	15.9799
FBgn00319	34093	Tg	0.319959	0.319959	1	0.453398	9.94425	13.4269
FBgn00315	33556	pgant2	0.319586	0.319586	1	0.491984	5.1413	7.13125
FBgn00387	42421	CG4335	0.319436	0.319436	1	0.49896	14.1122	19.67
FBgn02638	35277	sick	-0.31914	0.319141	1	-0.411209	6.14826	4.55765
FBgn00397	43541	Capa	-0.31853	0.31853	1	-0.576562	17.2041	11.3581
FBgn00291	39529	Hml	0.317919	0.317919	1	0.432871	3.59291	4.78239
FBgn00416	31808	Hexo2	-0.3179	0.317901	1	-0.439412	24.0774	17.5009
FBgn00298	31529	CG6067	0.317747	0.317747	1	0.406831	50.4192	65.9067
FBgn02834	26067580	CR46271	0.317415	0.317415	1	0.799102	1.59077	2.74301
FBgn02632	12798344	CR43399	-0.31693	0.316928	1	-0.907167	3.41946	1.7779
FBgn02668	19835503	CR45349	-0.31645	0.31645	1	-2.04467	1.38374	0.277123
FBgn00311	33081	Cbs	-0.31573	0.31573	1	-0.481466	12.7542	9.00198
FBgn02679	26067072	CG46244	-0.3155	0.3155	1	-0.390947	15.2184	11.4414
FBgn00342	36937	Gbp2	0.315432	0.315432	1	0.377689	64.4347	82.5396
FBgn00309	32839	Ggt-1	-0.31536	0.315355	1	-0.405717	38.4371	28.602
FBgn02599	8674009	Sfp65A	-0.31481	0.314813	1	-0.4273	108.064	79.213
FBgn00406	50109	CG13255	-0.31424	0.314237	1	-0.414239	55.7777	41.2598
FBgn02627	12798393	CG43171	-0.31416	0.314155	1	-0.46503	54.4452	38.8718
FBgn02628	13084051	CG43178	-0.31416	0.314155	1	-0.46503	54.4452	38.8718
FBgn02628	12798392	CG43201	-0.31387	0.313869	1	-0.465832	54.7428	39.0623
FBgn00411	34045	Tep3	0.313523	0.313523	1	0.403081	14.2701	18.6051
FBgn00103	36635	Dro	0.313097	0.313097	1	0.473655	28.286	38.7364
FBgn02608	8673961	CG42580	0.312796	0.312796	1	0.8343	4.25198	7.52201
FBgn00406	50102	CG18673	-0.31268	0.312684	1	-0.63241	7.4763	4.74404
FBgn00366	39808	CG4998	-0.31249	0.312486	1	-0.800251	0.855689	0.481231
FBgn00004	35259	Lar	-0.31145	0.311454	1	-0.382995	14.101	10.66
FBgn00000	42492	AnxB9	0.310769	0.310769	1	0.363571	98.9528	125.521
FBgn00519	326178	CG31948	-0.31071	0.310709	1	-0.351426	326.819	252.546
FBgn00386	42235	CG14301	0.310603	0.310603	1	0.747698	1.40087	2.32815
FBgn00112	45401	ox	-0.31042	0.310423	1	-0.428383	164.487	120.479

FBgn00285	35166	robl37BC	-0.31017	0.310166	1	-0.62913	11.9231	7.58308
FBgn00321	34283	Apoltp	0.309905	0.309905	1	0.360061	17.0761	21.6083
FBgn00321	34287	CG4364	0.30966	0.30966	1	0.377038	59.0301	75.5827
FBgn00389	42621	CG7069	-0.30955	0.309553	1	-0.367719	81.4476	62.2294
FBgn00367	39928	CG13725	-0.30954	0.309544	1	-0.405801	90.0551	67.0071
FBgn02633	19836226	CR43404	-0.30946	0.309455	1	-0.63379	12.8374	8.13749
FBgn00387	42426	MFS9	-0.30907	0.309065	1	-0.436352	22.3247	16.2611
FBgn00384	41984	CG10311	0.308833	0.308833	1	0.421056	40.9673	54.0848
FBgn02614	10178834	CR42646	0.308615	0.308615	1	0.933355	0.440376	0.837849
FBgn00319	34048	CG13794	0.308585	0.308585	1	0.4633	11.3723	15.462
FBgn00349	37871	CG3328	-0.30857	0.308565	1	-0.484886	4.55536	3.20738
FBgn00209	3355102	Scp1	-0.3082	0.308204	1	-0.398341	75.2774	56.3029
FBgn02620	39179	CG42825	0.307748	0.307748	1	0.342167	277.606	346.95
FBgn02665	19835134	CR45114	-0.30684	0.30684	1	-0.662828	9.52899	5.9164
FBgn00391	42859	CG13607	0.306096	0.306096	1	0.401503	28.0203	36.4928
FBgn02669	19835311	CR45395	0.305741	0.305741	1	1.20246	1.29	3.01407
FBgn00430	64872	MESK4	-0.30565	0.305652	1	-0.591811	6.55921	4.28331
FBgn00526	32174	Muc11A	-0.30529	0.305286	1	-0.348198	82.2595	63.7073
FBgn00383	41948	CG10264	-0.30498	0.304979	1	-0.451534	33.9416	24.4615
FBgn00375	40921	CG2641	-0.30492	0.304919	1	-0.546577	8.93125	6.02156
FBgn00174	43743	CG2187	-0.30465	0.304645	1	-0.43789	16.587	12.0686
FBgn00314	33474	daw	0.304491	0.304491	1	0.439079	9.4108	12.5811
FBgn00155	44359	FBgn00155	0.303923	0.303923	1	0.371541	24.0665	30.6978
FBgn00307	32649	CG9673	-0.30343	0.303431	1	-0.426568	51.0356	37.4275
FBgn00378	41348	scpr-C	-0.30341	0.303407	1	-0.35658	235.666	181.456
FBgn00326	35033	CG15136	-0.30311	0.303112	1	-0.521877	18.1361	12.4418
FBgn00352	38163	CG9168	-0.3022	0.302195	1	-0.468496	14.2167	10.1249
FBgn00390	42773	CG10175	-0.30169	0.301694	1	-0.391302	23.1365	17.3894
FBgn02648	14462689	CR44076	-0.30164	0.301641	1	-0.821919	6.20343	3.43286
FBgn00514	318722	CG31415	-0.30155	0.301548	1	-0.506236	25.7597	17.8668
FBgn00526	326226	CG32647	-0.30134	0.301344	1	-0.367979	27.8251	21.2554
FBgn00500	246441	CG30080	0.301075	0.301075	1	0.455789	8.27921	11.1981
FBgn02615	10178847	CG42662	0.301075	0.301075	1	0.455789	8.27921	11.1981
FBgn00332	35792	CG8708	0.301075	0.301075	1	0.431864	17.5173	23.3013

FBgn00309	32880	CG7322	-0.3005	0.300499	1	-0.654401	5.20539	3.2511
FBgn00344	37276	CG16898	0.300428	0.300428	1	0.416295	31.5421	41.5048
FBgn00384	41975	Zip89B	0.300323	0.300323	1	0.449328	12.4169	16.719
FBgn02626	12797971	CR43157	-0.30031	0.300309	1	-0.424183	120.473	88.4958
FBgn00512	326130	CG31272	0.300232	0.300232	1	0.373908	49.9249	63.7862
FBgn02508	192611	CG32388	-0.29994	0.299935	1	-0.35136	281.689	217.679
FBgn02633	12798365	CG43439	-0.29994	0.299935	1	-0.35136	281.689	217.679
FBgn00380	41560	CG14395	-0.29986	0.299862	1	-1.12016	0.304763	0.134583
FBgn02599	8673983	Sfp53D	-0.29955	0.29955	1	-0.425339	58.2921	42.7851
FBgn00310	32916	CG7889	-0.29952	0.299516	1	-0.565378	7.63355	5.07855
FBgn00504	246604	tbrd-3	0.299361	0.299361	1	0.591141	7.32273	10.89
FBgn00352	3772196	CG18170	-0.29926	0.299258	1	-0.343441	66.5286	51.6944
FBgn00352	317974	CG33791	-0.29926	0.299258	1	-0.343441	66.5286	51.6944
FBgn02649	14462478	CR44133	0.29915	0.29915	1	0.519516	9.64669	13.642
FBgn02625	12798254	CG43121	-0.29906	0.299063	1	-0.454557	62.7998	45.1626
FBgn00388	42432	CG10877	0.299005	0.299005	1	0.538579	5.90582	8.46417
FBgn02647	14462849	CR43994	-0.29888	0.298884	1	-0.468332	75.7001	53.9178
FBgn00405	50055	CG5791	0.298456	0.298456	1	0.391101	50.6973	65.5518
FBgn00260	40745	Gasp	0.297878	0.297878	1	0.468254	8.05269	10.987
FBgn00004	35008	Cyt-b5-r	0.297839	0.297839	1	0.34116	197.182	246.266
FBgn00389	42644	Pebp1	-0.29767	0.297672	1	-0.424167	73.1322	53.721
FBgn02647	14462476	CG44013	0.29763	0.29763	1	0.416166	42.479	55.8915
FBgn00289	34913	CG15255	0.297591	0.297591	1	0.37633	59.2573	75.8375
FBgn00866	3772119	snoRNA:Psi	-0.29712	0.297124	1	-0.907167	16.5284	8.58695
FBgn00150	44631	Ag5r	-0.2969	0.296896	1	-0.346305	171.326	132.86
FBgn00384	42022	CG17560	0.296043	0.296043	1	0.365641	68.883	87.5046
FBgn00533	2768914	CG33307	0.295941	0.295941	1	0.47569	9.27392	12.7192
FBgn02650	14462433	CR44157	0.294635	0.294635	1	0.825138	2.6754	4.70367
FBgn02608	40157	Ir76a	0.29452	0.29452	1	0.480451	7.51529	10.3416
FBgn02618	318841	Bsg	0.293966	0.293966	1	0.328799	40.9143	50.6629
FBgn02665	19836102	CR45115	0.293757	0.293757	1	0.580934	6.4536	9.52915
FBgn00100	48338	GstD5	0.293614	0.293614	1	0.523468	12.1488	17.2287
FBgn00860	5740862	snoRNA:M	-0.29306	0.293055	1	-0.618137	89.6353	57.4411
FBgn00407	50206	CG15068	0.292862	0.292862	1	0.443685	123.304	165.378

FBgn00528	36475	Dh31-R	0.292694	0.292694	1	0.440757	7.72217	10.336
FBgn00332	35718	CG1941	-0.29265	0.292646	1	-0.456608	16.8956	12.1326
FBgn00458	50456	CG13245	-0.29247	0.292472	1	-0.336752	351.277	274.219
FBgn02643	14462783	CG43816	-0.29247	0.292472	1	-0.336752	351.277	274.219
FBgn00379	41434	CG6959	0.292121	0.292121	1	0.459699	6.44566	8.7422
FBgn00324	34646	crok	-0.29201	0.292007	1	-0.548312	11.6018	7.8115
FBgn00512	42344	CG31219	-0.29115	0.291146	1	-1.49213	0.85446	0.282354
FBgn00634	37109	GstE4	0.29093	0.29093	1	0.799786	2.22055	3.83315
FBgn02655	19834954	CR44401	0.29093	0.29093	1	0.799786	2.06546	3.56543
FBgn00318	33888	CG9500	-0.29006	0.29006	1	-0.907167	2.01041	1.04416
FBgn00342	37059	CG10912	0.289948	0.289948	1	0.325167	513.23	633.918
FBgn00518	319012	CG31898	0.289909	0.289909	1	0.741926	2.06414	3.41758
FBgn00314	33451	Prosbeta4F	-0.28991	0.289905	1	-0.409036	32.1624	23.8756
FBgn00390	42719	CG13838	-0.28955	0.28955	1	-0.523278	33.316	22.8304
FBgn00398	43742	salt	-0.28924	0.289239	1	-0.369333	54.6924	41.7388
FBgn02663	19835087	CR44999	0.288758	0.288758	1	0.442961	11.5346	15.4629
FBgn00347	37560	Mes4	0.288545	0.288545	1	0.516501	14.0536	19.8334
FBgn00392	43008	shams	0.288432	0.288432	1	0.469688	11.1895	15.2827
FBgn00389	42643	CG7054	0.288374	0.288374	1	0.39496	55.7066	72.2237
FBgn02670	19836163	asRNA:CR4	-0.28815	0.288146	1	-0.36951	72.4193	55.2602
FBgn00395	43395	CG9997	-0.28802	0.28802	1	-0.383498	61.6991	46.624
FBgn00025	33274	Lsp1beta	0.287799	0.287799	1	0.43527	9.31607	12.4221
FBgn00377	41246	CG12814	0.28761	0.28761	1	0.378914	27.1965	34.8692
FBgn00403	39020	GNBP3	0.287465	0.287465	1	0.403266	27.4433	35.7866
FBgn00326	35104	kon	0.286415	0.286415	1	0.407625	4.62659	6.05149
FBgn00307	32592	CG9914	-0.28622	0.28622	1	-0.36966	73.7211	56.2474
FBgn00409	50463	CG5693	-0.2861	0.286102	1	-0.471614	37.7981	26.8579
FBgn00387	42396	CG4390	-0.28601	0.286007	1	-0.401801	46.9908	35.0592
FBgn00639	3772691	Kaz1-ORFB	-0.28552	0.285517	1	-0.458145	20.0922	14.412
FBgn00324	34645	CG6583	-0.28495	0.284946	1	-0.491028	16.9799	11.9021
FBgn00388	42482	CG10827	-0.28465	0.284653	1	-0.487848	11.1625	7.84181
FBgn00012	43568	janB	-0.2846	0.284604	1	-0.354845	262.819	202.6
FBgn02606	35047	dl	0.284478	0.284478	1	0.36037	15.4423	19.5456
FBgn00255	49802	IM2	0.284443	0.284443	1	0.363349	250.108	317.22

FBgn00345	37372	CG9344	0.28428	0.28428	1	0.540619	17.1885	24.6722
FBgn02785	26067579	asRNA:CR4	0.284267	0.284267	1	0.399716	24.7206	32.1567
FBgn02667	43002	stac	0.284191	0.284191	1	0.362183	21.7964	27.6228
FBgn00347	37572	gas	0.284082	0.284082	1	0.476977	7.53836	10.3487
FBgn02653	19835102	CR44302	-0.28405	0.284046	1	-0.66838	11.1338	6.88264
FBgn00318	33941	Tsp	0.284004	0.284004	1	0.391372	9.78246	12.6515
FBgn00333	35834	CG12780	0.283783	0.283783	1	0.373848	162.463	207.566
FBgn02677	26067065	CG46059	-0.28338	0.283378	1	-0.34434	331.906	257.733
FBgn00518	318986	t-cup	-0.28323	0.283225	1	-0.4155	59.9507	44.3027
FBgn02649	14462542	CR44125	0.283136	0.283136	1	1.01883	0.503365	1.022
FBgn00332	35811	CG2127	-0.28311	0.283113	1	-0.319055	332.826	263.025
FBgn02637	14462861	CG43679	0.283043	0.283043	1	0.385509	104.652	134.794
FBgn00411	35248	Tep4	0.282658	0.282658	1	0.319741	86.3147	106.212
FBgn00169	35414	nompB	-0.28251	0.282506	1	-0.442012	10.6887	7.75385
FBgn02643	42758	DNApol-ep	0.281872	0.281872	1	0.530735	1.2667	1.80567
FBgn02625	26067096	CR43104	-0.28172	0.281723	1	-0.59201	8.09215	5.28199
FBgn00390	42782	CG10183	-0.28167	0.281668	1	-2.22909	0.18916	0.028413
FBgn00333	35919	CG13741	-0.28093	0.280932	1	-0.468433	11.278	8.03134
FBgn02634	12798427	asRNA:CR4	-0.28064	0.280638	1	-0.365621	49.7684	38.0784
FBgn00347	37594	Cyp6d2	0.280103	0.280103	1	0.381095	31.648	40.6386
FBgn02624	43222	Tl	0.279757	0.279757	1	0.384306	9.98213	12.8465
FBgn00309	32906	HP1D3csd	0.279696	0.279696	1	0.706365	3.37359	5.44602
FBgn00535	3346203	Acp53C14c	0.279587	0.279587	1	0.649227	6.65583	10.3157
FBgn02613	40149	verm	0.27941	0.27941	1	0.488506	5.27245	7.29678
FBgn02596	37164	Jabba	0.279222	0.279222	1	0.348388	49.6768	62.3559
FBgn00500	36573	CG30069	0.279066	0.279066	1	0.331695	16.2871	20.2085
FBgn00391	42810	Lsd-1	0.279037	0.279037	1	0.346559	64.324	80.6391
FBgn00354	38479	CG1136	0.279024	0.279024	1	0.441573	7.77433	10.4123
FBgn00174	36157	cag	0.278907	0.278907	1	0.506911	7.87573	11.041
FBgn00870	43827	apolpp	0.278744	0.278744	1	0.292038	281.712	340.056
FBgn00144	32471	Ahcy	-0.27852	0.278523	1	-0.405375	22.0064	16.3774
FBgn00028	41693	Mst87F	-0.27814	0.278139	1	-0.349338	233.12	180.393
FBgn00534	2768971	CG33489	-0.27772	0.277724	1	-0.384621	37.2395	28.1178
FBgn02671	19835612	CR45567	-0.27766	0.277661	1	-0.599843	4.42668	2.87324

FBgn00515	326147	CG31515	-0.2769	0.276904	1	-0.517691	28.6366	19.6988
FBgn00513	326132	CG31300	0.276875	0.276875	1	0.477435	9.24371	12.6943
FBgn00352	38164	FucTD	-0.27669	0.276694	1	-0.37222	49.3664	37.5974
FBgn00398	43744	Smvt	0.27611	0.27611	1	0.344594	61.4364	76.9143
FBgn00322	34474	CG6415	-0.27582	0.275819	1	-0.544597	8.67016	5.85196
FBgn00384	42049	Irc	0.275582	0.275582	1	0.333823	71.2151	88.4924
FBgn00331	35620	Tsp42Ej	-0.2752	0.275204	1	-0.403988	40.5139	30.1796
FBgn02626	12798240	CG43147	-0.27495	0.274951	1	-0.312644	1967.64	1561.9
FBgn00411	43567	ocn	-0.27479	0.274789	1	-0.312871	809.76	642.684
FBgn00388	42494	dmrt93B	0.274383	0.274383	1	1.78089	0.227457	0.837037
FBgn00273	44117	bgm	-0.27402	0.274021	1	-0.369897	30.5915	23.336
FBgn00854	5740813	CG34447	-0.27395	0.273953	1	-0.539796	7.53725	5.10447
FBgn02665	19835435	asRNA:CR4	0.273814	0.273814	1	0.802054	3.10632	5.3732
FBgn02599	8674058	CG42481	-0.27337	0.273369	1	-0.350747	541.8	418.842
FBgn00038	48316	alphaTry	-0.27283	0.272828	1	-0.300868	1070.59	856.8
FBgn00116	43121	Mst57Dc	-0.27267	0.272673	1	-0.346467	357.219	276.973
FBgn00360	39160	iPLA2-VIA	0.27255	0.27255	1	0.341228	33.1264	41.3754
FBgn00321	34322	CG5853	0.271934	0.271934	1	0.35595	30.9339	39.034
FBgn00140	35590	SdhB	-0.27135	0.271348	1	-0.399074	37.6381	28.1332
FBgn00057	38590	Con	0.271343	0.271343	1	0.428537	3.7967	5.03908
FBgn00252	35988	FBgn00252	-0.27004	0.270042	1	-0.363744	137.4	105.261
FBgn00411	35085	Socs36E	0.269841	0.269841	1	0.368468	16.7332	21.2993
FBgn02639	42236	qin	0.26971	0.26971	1	0.530472	1.29503	1.84586
FBgn02620	40234	Spn77Ba	0.269698	0.269698	1	0.36619	28.3599	36.0417
FBgn02626	19835674	CR43146	-0.26917	0.269172	1	-0.392593	51.0656	38.3425
FBgn00421	59227	CG17376	0.269093	0.269093	1	0.324902	220.278	272.031
FBgn00343	37165	Mctp	0.268382	0.268382	1	0.375162	10.1848	13.0245
FBgn02617	10178798	asRNA:CR4	-0.26781	0.267806	1	-0.487137	6.67636	4.69198
FBgn00501	246487	CG30154	0.267707	0.267707	1	0.504758	19.0313	26.6416
FBgn02628	12798533	CR43241	0.267707	0.267707	1	0.504758	9.65854	13.5208
FBgn00140	31587	Spat	-0.2676	0.267602	1	-0.389407	35.6555	26.8312
FBgn00032	32100	RpII215	-0.26728	0.267275	1	-0.350204	15.8889	12.2875
FBgn02676	26067270	asRNA:CR4	-0.26717	0.267174	1	-0.39487	118.106	88.5384
FBgn02663	19836180	CR44971	-0.267	0.267003	1	-0.78586	9.94349	5.64376

FBgn02642	38131	mwh	-0.26696	0.266959	1	-0.508825	2.79413	1.93391
FBgn00341	36891	CG6426	0.266861	0.266861	1	0.372941	70.9399	90.5799
FBgn02645	14462777	CG43924	-0.2667	0.266698	1	-0.554444	18.2531	12.2333
FBgn00333	35856	CG8584	-0.26668	0.266684	1	-0.421376	28.5629	21.0195
FBgn00358	38900	ldbr	0.266643	0.266643	1	0.560512	3.54398	5.15938
FBgn00869	44013	sls	0.266506	0.266506	1	0.293008	14.1295	17.0673
FBgn00312	33278	CG4375	0.265765	0.265765	1	0.342991	121.641	152.118
FBgn00389	42651	tHMG2	-0.26521	0.265207	1	-0.354586	141.074	108.765
FBgn00303	32165	regucalcin	-0.26519	0.265193	1	-0.369471	39.8865	30.4347
FBgn00434	36215	kappaTry	-0.26492	0.26492	1	-0.362772	82.3811	63.1534
FBgn00342	37030	CG14488	-0.26485	0.264849	1	-0.393124	79.7546	59.8603
FBgn00166	45588	Pdp1	0.264824	0.264824	1	0.312756	20.8515	25.5344
FBgn00373	40702	CG2104	-0.2648	0.2648	1	-0.425671	12.1741	8.93202
FBgn00515	318790	CG31538	-0.26479	0.264792	1	-0.305376	203.898	162.67
FBgn02646	14462398	CR43963	0.26477	0.26477	1	1.12678	1.00024	2.20851
FBgn00357	38847	CG16998	0.264459	0.264459	1	0.846673	1.78936	3.19833
FBgn02649	14462675	CR44112	-0.26411	0.264111	1	-0.812307	4.9672	2.76492
FBgn00391	42885	Spase22-23	-0.26408	0.264077	1	-0.308116	220.795	175.816
FBgn00347	37537	Swim	0.263791	0.263791	1	0.355185	31.585	39.8349
FBgn00527	326238	CG32750	-0.26354	0.263536	1	-0.622916	3.78643	2.41712
FBgn00359	39012	CG13309	0.263172	0.263172	1	0.323979	195.793	241.64
FBgn00357	38754	CG14820	0.263031	0.263031	1	0.499603	6.78636	9.46609
FBgn00000	37368	Act57B	0.2626	0.2626	1	0.288618	502.454	605.08
FBgn00312	33209	CG4213	0.262141	0.262141	1	0.337416	22.9298	28.5643
FBgn00328	35298	nesd	0.262059	0.262059	1	0.436522	8.56088	11.4261
FBgn00102	36878	Sod2	-0.26196	0.261962	1	-0.37869	53.7229	40.7295
FBgn00503	246582	CG30382	0.261949	0.261949	1	0.361023	61.1628	77.4522
FBgn00325	34988	CG4631	-0.26162	0.261622	1	-0.308397	124.265	98.9307
FBgn02643	14462596	CG43788	-0.26148	0.26148	1	-0.364238	199.479	152.763
FBgn00032	42398	Rh3	-0.26143	0.261432	1	-0.321412	145.59	114.865
FBgn00334	36078	CG12914	-0.26124	0.261241	1	-0.428776	21.0947	15.4431
FBgn00305	32337	Pdcd4	0.260819	0.260819	1	0.329281	35.9435	44.5237
FBgn00367	39973	CG7460	0.2608	0.2608	1	0.634074	1.84821	2.83452
FBgn00349	37766	CG5539	-0.26069	0.260693	1	-0.37419	43.169	32.8308

FBgn02667	19835242	CR45254	-0.26045	0.260447	1	-1.16351	2.29445	0.976465
FBgn00329	35431	CG11629	-0.26026	0.260256	1	-0.474296	10.3076	7.30913
FBgn00343	37158	CG18609	0.260154	0.260154	1	0.372523	45.5758	58.1774
FBgn00522	317933	CG32240	-0.26001	0.260011	1	-0.381496	78.1171	59.1076
FBgn00318	33956	CG17375	-0.25997	0.259974	1	-0.400916	29.4359	21.9731
FBgn02627	12798364	CG43168	-0.25978	0.259777	1	-0.373028	53.627	40.8172
FBgn00346	37519	CG11073	0.259193	0.259193	1	0.358638	15.3294	19.3799
FBgn00038	40904	alphaTub84	-0.25906	0.259062	1	-0.336337	61.9328	48.3584
FBgn00421	59158	Cpr65Au	-0.25905	0.259054	1	-0.378125	99.5962	75.5369
FBgn00854	5740319	CG34462	-0.25869	0.258687	1	-0.821437	2.33123	1.28873
FBgn00133	35766	Odc1	0.258577	0.258577	1	0.432495	14.6911	19.5532
FBgn00355	38542	CG15019	-0.25833	0.258333	1	-0.397148	50.7725	37.9998
FBgn00032	48312	RpII18	-0.25784	0.25784	1	-0.453417	36.8013	26.4804
FBgn00633	3772002	snoRNA:U2	-0.25775	0.257745	1	-2.3666	3.86203	0.406063
FBgn00025	38723	LanA	0.257358	0.257358	1	0.368018	3.98188	5.06699
FBgn02606	40150	serp	0.257297	0.257297	1	0.505593	3.45804	4.84399
FBgn00283	326234	l(1)G0320	0.257043	0.257043	1	0.326578	61.5809	76.1383
FBgn00245	44438	mEFTu1	-0.25703	0.257028	1	-0.389754	23.8297	17.9271
FBgn00012	3771872	CG4456	0.256838	0.256838	1	0.374197	19.5793	25.0222
FBgn02643	14462386	CR43835	-0.25647	0.256466	1	-0.584158	9.74513	6.39428
FBgn00305	32399	CG5321	-0.25635	0.256348	1	-0.462382	10.1072	7.227
FBgn00368	40065	Ir75d	0.256189	0.256189	1	0.354078	25.8582	32.5876
FBgn02618	34068	LanB1	0.256157	0.256157	1	0.356218	9.10066	11.4861
FBgn00175	38983	RpL14	-0.25601	0.256006	1	-0.336091	184.404	144.01
FBgn00150	39721	CkIIalpha-i1	0.255865	0.255865	1	0.492374	6.14026	8.52193
FBgn00327	35131	Irk3	0.255685	0.255685	1	0.355634	27.3423	34.4952
FBgn02627	37746	Pal2	-0.25568	0.255675	1	-0.347673	37.691	29.1984
FBgn02655	19835511	CR44412	-0.25508	0.25508	1	-0.521648	13.7636	9.43943
FBgn00301	31909	CG3106	0.254976	0.254976	1	0.434604	6.65897	8.87597
FBgn00409	50446	CG16978	0.254822	0.254822	1	0.380023	88.5188	113.586
FBgn00526	318143	CG32655	-0.25453	0.254528	1	-0.32574	115.075	90.5162
FBgn02618	10178923	CG42753	-0.2542	0.254203	1	-0.493617	20.2992	14.1993
FBgn00012	39077	Hsp23	0.254066	0.254066	1	0.393602	32.808	42.4988
FBgn00223	32821	Tsf1	0.253987	0.253987	1	0.289442	163.352	196.829

FBgn00540	3885644	CG34002	-0.25398	0.25398	1	-0.351123	67.9178	52.4882
FBgn00256	36418	Lfg	-0.25395	0.253946	1	-0.34993	62.1266	48.0525
FBgn00350	38003	Nplp1	-0.25319	0.253185	1	-0.366511	21.3208	16.3014
FBgn00363	39461	Ent3	-0.25285	0.252854	1	-0.425122	7.55731	5.5465
FBgn00155	42947	AstA	-0.25262	0.252615	1	-0.401126	23.2516	17.3535
FBgn00025	45326	Lsp2	0.252453	0.252453	1	0.461759	5.07411	6.89306
FBgn00344	37297	Mpcp1	-0.2524	0.252395	1	-0.403658	21.8335	16.2663
FBgn00870	39683	AGO2	0.251674	0.251674	1	0.28718	112.273	135.071
FBgn02679	12798102	MRE16	-0.25165	0.251653	1	-0.367601	152.436	116.46
FBgn00469	36893	CG6429	0.25157	0.25157	1	0.4271	26.9376	35.719
FBgn00155	38448	Acp63F	-0.25155	0.251554	1	-0.34724	200.124	155.077
FBgn02663	19835243	asRNA:CR4	0.251531	0.251531	1	0.354748	44.7172	56.3812
FBgn02599	8673980	Sfp60F	-0.25147	0.25147	1	-0.310685	518.638	412.242
FBgn00032	31381	rb	0.251161	0.251161	1	0.345312	13.4671	16.8689
FBgn00403	31055	CG14629	-0.25104	0.251035	1	-0.325908	117.531	92.437
FBgn00320	34228	CG13102	-0.25103	0.251033	1	-0.400251	18.3054	13.6703
FBgn00120	34256	Aldh	-0.25099	0.250992	1	-0.287223	264.888	214.006
FBgn00400	34313	yip2	0.250927	0.250927	1	0.317927	92.9152	114.193
FBgn00309	32848	CG15040	0.25059	0.25059	1	0.379869	5.53142	7.09716
FBgn00435	246670	Obp57a	-0.25043	0.250432	1	-0.413827	50.4306	37.3054
FBgn00533	2768672	CG33333	0.250362	0.250362	1	0.94083	1.64136	3.14699
FBgn00584	5740321	CR40469	-0.25029	0.250291	1	-0.356122	307.432	236.761
FBgn00500	246388	CG30008	0.250275	0.250275	1	0.285248	497.205	597.364
FBgn00517	261616	CG31778	0.250093	0.250093	1	0.387301	26.437	34.0964
FBgn00287	39039	Doc1	0.250091	0.250091	1	0.570483	3.22522	4.72917
FBgn00393	43124	alpha4GT2	-0.25004	0.25004	1	-0.45043	12.4581	8.98253
FBgn00318	33901	Rchy1	0.249817	0.249817	1	0.551643	2.59298	3.75193
FBgn00340	36779	Jhedup	0.249817	0.249817	1	0.551643	3.32161	4.80623
FBgn00318	33946	TTLL3B	-0.24975	0.249745	1	-0.314382	57.6316	45.6911
FBgn00243	31080	Tsp2A	-0.2496	0.249596	1	-0.375145	45.3701	34.4805
FBgn00391	42907	CG5762	-0.2494	0.249401	1	-0.319249	161.948	127.961
FBgn00384	41987	CG10317	-0.24937	0.249371	1	-0.328258	79.1953	62.1843
FBgn00150	36223	iotaTry	-0.24908	0.249075	1	-0.472659	18.7304	13.2958
FBgn02628	12798334	CG43202	-0.24886	0.248855	1	-0.684774	11.0513	6.74689

FBgn00115	36218	thetaTry	0.248827	0.248827	1	0.369903	37.102	47.2755
FBgn00504	246647	antr	-0.24878	0.248782	1	-0.383435	44.7271	33.7957
FBgn00533	2768666	Sp212	0.248647	0.248647	1	0.445135	8.53551	11.4615
FBgn00311	33121	whe	-0.2486	0.248603	1	-0.296983	710.798	570.381
FBgn00525	326221	CG32557	-0.24836	0.24836	1	-0.688821	1.98339	1.20733
FBgn02653	37190	tn	0.2479	0.2479	1	0.317728	19.3408	23.7665
FBgn00331	35661	CG1701	-0.24788	0.247882	1	-0.436634	22.3154	16.2459
FBgn02670	19835900	CG45490	0.247496	0.247496	1	0.476035	17.4718	23.9739
FBgn00408	50274	CG13053	-0.24743	0.247434	1	-1.1088	2.01822	0.895958
FBgn02655	19835349	CR44373	0.247337	0.247337	1	1.06246	0.798441	1.679
FBgn00510	43179	CG31086	-0.2471	0.247099	1	-0.424862	26.3334	19.3297
FBgn00339	36640	ND-B15	-0.24684	0.246835	1	-0.66419	9.79351	6.06795
FBgn00320	34148	CG7627	0.246652	0.246652	1	0.340535	13.6647	17.0597
FBgn00853	5740472	Fili	-0.24654	0.246538	1	-0.502325	2.25144	1.56515
FBgn00035	41944	srp	0.246466	0.246466	1	0.363367	7.36865	9.3466
FBgn02656	19836037	CR44491	0.246235	0.246235	1	0.95533	1.26934	2.4607
FBgn02638	38594	Gen	0.246216	0.246216	1	0.631253	1.52918	2.34098
FBgn00390	42701	CG4721	0.24614	0.24614	1	0.316045	53.6781	65.8845
FBgn02649	14462473	asRNA:CR4	0.246113	0.246113	1	0.300043	258.644	313.953
FBgn00046	41767	Cys	0.246023	0.246023	1	0.302464	378.319	459.992
FBgn02660	19835587	CR44796	-0.24594	0.245942	1	-1.05603	2.85489	1.32075
FBgn00324	34695	Vha68-3	-0.24581	0.245811	1	-0.314782	62.4596	49.5048
FBgn00300	31796	CG12111	-0.24577	0.245772	1	-0.493726	18.5789	12.994
FBgn00322	34455	w-cup	-0.24538	0.245379	1	-0.273588	480.521	391.907
FBgn00516	33795	DIP-theta	-0.2453	0.245302	1	-0.489043	4.4977	3.15604
FBgn00397	43594	RpS7	-0.24517	0.245167	1	-0.301957	196.892	157.451
FBgn00377	41214	CG9458	0.244909	0.244909	1	0.336969	75.5412	94.0766
FBgn00348	37663	CG3085	-0.24491	0.244905	1	-0.331234	55.8508	43.7631
FBgn00339	36655	Ciao1	-0.24484	0.244835	1	-0.397612	26.986	20.1895
FBgn00361	39281	CG6140	-0.24474	0.244738	1	-0.333676	50.0699	39.1668
FBgn00260	31359	cib	0.244715	0.244715	1	0.288137	175.554	211.341
FBgn00535	3346238	form3	0.244131	0.244131	1	0.335632	10.9319	13.6016
FBgn00358	38952	Jon66Ci	0.243862	0.243862	1	0.571296	5.87323	8.61744
FBgn00041	40886	Mst84Dd	-0.24369	0.243686	1	-0.455016	41.0733	29.5183

FBgn00256	31025	CG13360	-0.24361	0.243607	1	-0.384678	23.3138	17.6003
FBgn00361	39237	CG6310	-0.24344	0.243444	1	-0.655294	6.9315	4.32192
FBgn00358	38858	PGRP-SD	0.243434	0.243434	1	0.401228	31.3547	40.8338
FBgn00306	32476	CG15642	-0.24337	0.243369	1	-0.50652	7.50722	5.20327
FBgn02662	19836233	CR44903	-0.24332	0.243322	1	-1.45149	1.40898	0.479287
FBgn02607	41455	mfas	0.243269	0.243269	1	0.267935	275.805	327.411
FBgn02667	19835941	CR45234	-0.24315	0.243149	1	-0.575247	9.4272	6.2238
FBgn00349	37806	Orcokinin	-0.24304	0.243036	1	-0.400011	20.3604	15.2069
FBgn00333	35879	CG13751	-0.24297	0.242974	1	-0.528014	25.4463	17.3713
FBgn00374	40839	djl	-0.24272	0.242718	1	-0.298968	207.942	166.632
FBgn02653	19835711	CR44279	-0.24266	0.242657	1	-0.537217	12.0607	8.17996
FBgn00634	37110	GstE5	-0.24257	0.242568	1	-0.430611	29.0946	21.2702
FBgn00357	38850	frac	0.241927	0.241927	1	0.399195	4.18786	5.44623
FBgn02657	19836154	asRNA:CR4	0.241921	0.241921	1	0.501639	10.6438	14.87
FBgn02638	14462705	CR43715	-0.24192	0.241918	1	-0.95297	3.12266	1.56345
FBgn02626	31310	Myc	0.241487	0.241487	1	0.306606	14.9767	18.2625
FBgn00339	36627	Adgf-E	-0.24144	0.24144	1	-0.367242	26.0832	19.9318
FBgn02628	12798428	CG43251	-0.24122	0.241216	1	-0.488941	50.1631	35.2008
FBgn00323	34587	Vha100-5	-0.24032	0.240318	1	-0.330582	30.713	24.0765
FBgn00344	37181	Jheh2	0.240185	0.240185	1	0.296695	95.0131	115.064
FBgn00374	40796	Neurochon	0.240061	0.240061	1	0.317853	37.1509	45.6565
FBgn00400	53547	lectin-29Ca	-0.24003	0.240033	1	-0.32429	129.589	102.032
FBgn00385	42096	CG5863	-0.23981	0.239813	1	-0.76846	1.90916	1.0966
FBgn00300	31824	CG10962	0.239735	0.239735	1	0.699992	2.20071	3.53887
FBgn00391	42804	RanBP3	-0.23972	0.239716	1	-0.435429	11.1541	8.12676
FBgn00152	46415	Fer1HCH	0.239397	0.239397	1	0.265646	360.865	427.707
FBgn02676	26067292	CR45965	-0.23936	0.23936	1	-0.357676	37.3054	28.6978
FBgn00343	37138	CG5327	-0.23879	0.238788	1	-0.345348	30.254	23.4741
FBgn00346	37483	Grx1t	-0.23804	0.238042	1	-0.37316	71.3002	54.2597
FBgn00012	32133	Hsc70-3	0.23763	0.23763	1	0.267191	188.285	223.4
FBgn00321	34321	CG4619	0.237387	0.237387	1	0.309174	27.2956	33.3435
FBgn00341	36834	CG15711	-0.23738	0.237379	1	-0.345681	26.6801	20.6962
FBgn00285	34802	CG7968	0.236912	0.236912	1	0.366217	39.3205	49.9752
FBgn00264	31926	Idgf4	0.236725	0.236725	1	0.276802	199.756	238.595

FBgn00362	39391	CG6910	-0.23659	0.236587	1	-0.295038	131.204	105.426
FBgn02662	19835484	CR44909	-0.23639	0.236389	1	-1.6727	0.653108	0.18728
FBgn00001	32703	baz	0.236162	0.236162	1	0.329253	6.12558	7.5879
FBgn00275	32591	CG3679	-0.23529	0.235286	1	-0.359768	14.7985	11.3672
FBgn00398	43652	dj-1beta	-0.23514	0.235144	1	-0.488786	16.3122	11.4473
FBgn00388	42476	Grik	-0.23479	0.23479	1	-0.379527	9.7323	7.37338
FBgn02677	26067384	asRNA:CR4	0.234641	0.234641	1	0.490883	8.63163	11.9687
FBgn00369	40207	Ssk	0.234526	0.234526	1	0.286069	245.831	295.523
FBgn00512	326125	CG31207	0.234292	0.234292	1	0.405532	22.9446	29.9718
FBgn02612	36588	conv	0.234094	0.234094	1	0.512158	1.60706	2.26191
FBgn00532	338395	CG33213	0.23361	0.23361	1	0.574485	3.54376	5.21182
FBgn00372	40553	Cont	0.233588	0.233588	1	0.291939	36.2506	43.7561
FBgn00500	246422	CG30056	-0.2332	0.233197	1	-0.426277	33.9184	24.8707
FBgn02665	19835693	CR45113	-0.23258	0.232584	1	-0.35011	107.68	83.2708
FBgn00525	33098	CG32521	0.232526	0.232526	1	0.304729	24.5345	29.8784
FBgn00398	43689	CG1544	-0.23233	0.232326	1	-0.458809	5.06436	3.62963
FBgn00385	42109	Prx3	-0.23231	0.232305	1	-0.368615	39.1261	29.869
FBgn00108	44910	unc-45	0.232256	0.232256	1	0.328986	15.483	19.1757
FBgn02673	39118	LanB2	0.232212	0.232212	1	0.354471	6.47222	8.15914
FBgn00299	31704	snz	0.232031	0.232031	1	0.352801	7.47865	9.41694
FBgn00011	40875	Gld	0.231922	0.231922	1	0.337606	17.7832	22.1568
FBgn00031	43872	Ppn	0.231712	0.231712	1	0.328302	6.4884	8.03208
FBgn00500	246420	CG30054	0.231227	0.231227	1	0.442133	11.1226	14.9054
FBgn00112	34286	pelo	0.23093	0.23093	1	0.35642	17.7581	22.417
FBgn00634	37112	GstE7	0.230813	0.230813	1	0.363012	42.6731	54.1162
FBgn00310	32955	CG14207	0.230784	0.230784	1	0.297803	85.3173	103.402
FBgn00329	35405	Tsp39D	0.230309	0.230309	1	0.363074	13.7206	17.4006
FBgn00012	41609	Hsc70-2	-0.23024	0.230235	1	-0.285627	107.747	87.1447
FBgn02625	12798347	CG43111	-0.23021	0.230209	1	-0.35027	92.169	71.2673
FBgn00319	34075	TwdlE	0.230168	0.230168	1	0.51382	4.97874	7.01589
FBgn00204	34981	Idgf3	0.230034	0.230034	1	0.270598	90.6281	107.785
FBgn00175	35970	Pdk	0.229549	0.229549	1	0.289257	51.9308	62.5665
FBgn00360	39183	CG6628	-0.22936	0.229358	1	-0.337439	57.1354	44.575
FBgn00534	2768831	CG33470	0.229237	0.229237	1	0.300422	99.3504	120.629

FBgn00517	318939	CG31784	-0.22922	0.229218	1	-0.312725	42.252	33.5353
FBgn02663	19835879	asRNA:CR4	0.229207	0.229207	1	0.382491	17.7397	22.804
FBgn00030	37131	Pepck	0.228442	0.228442	1	0.263375	194.847	230.576
FBgn02664	19834964	CG45087	0.228442	0.228442	1	0.263375	194.847	230.576
FBgn00137	36542	shot	0.228303	0.228303	1	0.258535	21.3025	25.1241
FBgn02628	19835793	CR43250	-0.22817	0.228166	1	-0.985169	4.56648	2.22918
FBgn00363	39515	CG10116	-0.22817	0.228165	1	-0.403888	26.3829	19.6502
FBgn00517	35203	CG31797	-0.22804	0.228038	1	-0.35117	17.2541	13.3328
FBgn00580	3355123	CG40006	0.227918	0.227918	1	0.404901	6.92481	9.04187
FBgn00366	39820	CG4729	0.227887	0.227887	1	0.290073	63.0715	76.032
FBgn00327	35185	CG17344	-0.22772	0.227719	1	-0.284439	278.066	225.081
FBgn02639	14462799	CG43731	-0.22772	0.227719	1	-0.284439	278.066	225.081
FBgn00378	41275	CG14688	0.227677	0.227677	1	0.397786	16.7078	21.7078
FBgn00852	5740805	CG34208	-0.22712	0.22712	1	-0.471886	33.5874	23.8508
FBgn00853	2768869	CG34330	-0.22672	0.226724	1	-0.302976	177.859	142.125
FBgn00348	37717	CG13557	-0.22656	0.226555	1	-0.653121	10.2043	6.37034
FBgn00307	32565	ND-20	-0.22655	0.226549	1	-0.309841	78.1748	62.1713
FBgn00521	317856	CG32107	-0.22651	0.226508	1	-0.368514	9.26418	7.07263
FBgn00530	42654	CG33093	0.226223	0.226223	1	0.575615	4.08533	6.01358
FBgn00027	47173	Men	0.226075	0.226075	1	0.263879	134.519	159.241
FBgn00345	37375	CG15651	-0.22601	0.226005	1	-0.504202	3.91934	2.72048
FBgn00319	34019	CG15818	0.225693	0.225693	1	0.304887	70.3058	85.6291
FBgn00301	31944	CG2974	-0.2252	0.225202	1	-0.625653	4.17099	2.65565
FBgn00407	50266	CG7630	-0.22501	0.225009	1	-0.328057	164.639	129.286
FBgn00397	43563	Mgat2	0.224818	0.224818	1	0.340662	12.6252	15.7639
FBgn00403	31060	CG11378	-0.22467	0.22467	1	-0.362965	13.9992	10.7289
FBgn00319	34061	CG7164	-0.22407	0.22407	1	-0.327078	55.5682	43.6655
FBgn00323	34554	CG6287	-0.22402	0.224021	1	-0.336036	45.3698	35.4299
FBgn00385	42197	CG7131	-0.22372	0.223718	1	-0.297321	65.2773	52.3677
FBgn00012	3772082	kay	0.223648	0.223648	1	0.278609	24.9863	29.8821
FBgn00398	43731	CG11550	-0.22361	0.223612	1	-0.461292	12.7228	9.10193
FBgn00853	5740640	CG34289	0.223592	0.223592	1	0.58535	7.03717	10.4306
FBgn00326	35106	CG10211	0.223484	0.223484	1	0.407046	3.21113	4.19919
FBgn00326	35060	mEFTs	-0.22336	0.223362	1	-0.303622	73.5435	58.7412

FBgn00342	37021	Vps50	0.22328	0.22328	1	0.356699	9.16831	11.5761
FBgn00514	318715	CG31406	0.223115	0.223115	1	0.397379	18.3634	23.8524
FBgn02651	19835418	asRNA:CR4	-0.22309	0.223086	1	-0.560068	5.93302	3.95833
FBgn02599	37873	Nop60B	0.222831	0.222831	1	0.353475	9.82847	12.3818
FBgn00001	39041	Argk	-0.22275	0.222747	1	-0.256817	174.91	144.322
FBgn02678	26067470	CR46156	-0.22225	0.222253	1	-0.838454	3.81105	2.07772
FBgn02632	33935	Galt	-0.22207	0.222065	1	-0.349255	30.5797	23.6611
FBgn00528	12798142	CR32835	-0.22205	0.222052	1	-0.332244	49.156	38.488
FBgn00347	37591	CG2852	-0.22196	0.221962	1	-0.331456	51.7151	40.5138
FBgn00315	33574	CG3213	-0.22176	0.221764	1	-0.259305	212.354	174.915
FBgn02597	7354408	CG42364	0.221501	0.221501	1	0.586942	6.12614	9.09073
FBgn00120	37232	CalpA	0.221316	0.221316	1	0.305106	24.1125	29.3725
FBgn02610	8673963	Sfp93F	-0.22127	0.221265	1	-0.352658	129.398	99.884
FBgn00350	37998	CG2736	0.221251	0.221251	1	0.299594	55.0815	66.8408
FBgn00133	34867	ProtB	-0.22125	0.221251	1	-0.322204	105.124	82.887
FBgn00699	37928	CG4681	-0.22104	0.221042	1	-0.341355	33.7877	26.2875
FBgn00031	37415	Pu	0.22077	0.22077	1	0.340603	18.6066	23.2316
FBgn00391	42801	CG10365	-0.22067	0.220669	1	-0.294706	66.2315	53.2296
FBgn00397	43639	CG2267	-0.22062	0.220615	1	-0.26675	193.411	158.491
FBgn02652	44266	Inx3	0.220534	0.220534	1	0.319691	26.2811	32.3401
FBgn00510	43105	LpR2	0.220479	0.220479	1	0.261289	64.4548	76.1635
FBgn00012	38871	Hn	0.220413	0.220413	1	0.278568	82.1839	98.2844
FBgn00322	34442	CG7456	0.220346	0.220346	1	0.327022	19.0453	23.5559
FBgn00512	318633	CG31226	-0.21982	0.219822	1	-0.264068	936.346	768.717
FBgn02663	19835747	CR44994	-0.21977	0.21977	1	-1.5352	1.72484	0.549558
FBgn00000	43595	Anp	-0.21973	0.21973	1	-0.278644	553.597	449.913
FBgn00314	33490	CG8813	-0.2197	0.219703	1	-0.308016	93.0044	74.058
FBgn00421	59144	CG18748	-0.21968	0.219677	1	-0.399182	15.3498	11.4699
FBgn00519	319045	CG31955	-0.21955	0.219553	1	-0.449512	13.1877	9.51261
FBgn00249	31791	PIP82	0.219495	0.219495	1	0.338625	9.91489	12.3624
FBgn00291	43936	Men-b	-0.21946	0.219458	1	-0.278403	61.0001	49.5836
FBgn02597	7354433	DIP-epsilon	-0.2192	0.219195	1	-0.429845	5.39359	3.94461
FBgn00510	43581	Ppi1	-0.21916	0.219161	1	-0.252828	185.635	153.596
FBgn00359	39005	CG5804	-0.21898	0.21898	1	-0.372345	93.3212	71.0525

FBgn00279	34170	Akap200	0.218771	0.218771	1	0.263235	75.264	89.0565
FBgn00235	31217	CG2865	0.218569	0.218569	1	0.319336	10.2367	12.5936
FBgn00338	36506	CG6145	0.21848	0.21848	1	0.296444	29.3793	35.5736
FBgn00349	37803	CG3735	0.218368	0.218368	1	0.392259	7.27132	9.41128
FBgn00344	37253	CG16716	-0.2178	0.217799	1	-0.284014	57.8837	46.8673
FBgn00048	32723	B-H2	-0.21769	0.21769	1	-0.687854	1.17705	0.71649
FBgn00510	318553	CG31007	-0.21767	0.217669	1	-0.376338	38.8118	29.4679
FBgn00319	34016	CG5171	0.217625	0.217625	1	0.303849	45.2942	55.1269
FBgn00308	32726	CG5613	-0.21753	0.217528	1	-0.512497	3.98126	2.74705
FBgn00337	36366	CG8550	-0.21723	0.217225	1	-0.494123	4.7642	3.33021
FBgn02648	14462577	pre-lola-G	-0.2171	0.217097	1	-0.416018	5.64576	4.16918
FBgn00348	37739	Eglp4	-0.21704	0.217038	1	-0.337732	27.822	21.7005
FBgn02636	14462507	CR43654	0.216858	0.216858	1	0.345107	10.1298	12.6875
FBgn00106	46074	DCTN3-p24	0.216819	0.216819	1	0.420084	11.5111	15.191
FBgn00349	37770	CG4797	0.216752	0.216752	1	0.365423	12.2397	15.5484
FBgn02638	42671	mRpL45	0.216568	0.216568	1	0.392946	14.298	18.5149
FBgn00330	35498	TpnC4	0.216372	0.216372	1	0.391847	21.5837	27.9279
FBgn00285	33120	lcs	0.216357	0.216357	1	0.255613	651.805	767.186
FBgn00407	50178	ND-B8	0.216278	0.216278	1	0.842855	2.59931	4.63971
FBgn00312	33244	CG2839	-0.21608	0.216079	1	-0.349263	16.2323	12.5594
FBgn00512	42071	CG31266	-0.21541	0.215413	1	-0.565475	6.4686	4.29862
FBgn00359	39064	PGRP-LF	0.215366	0.215366	1	0.381278	15.1859	19.5054
FBgn02638	14462901	CG43702	0.21529	0.21529	1	0.504772	18.4318	25.8117
FBgn00320	34152	CG17292	-0.21526	0.215261	1	-0.329385	26.9238	21.1223
FBgn00289	34799	CG8997	-0.21523	0.215233	1	-0.251534	399.924	331.195
FBgn00501	246461	CG30109	-0.21518	0.215184	1	-0.400343	35.7513	26.6921
FBgn00525	33000	Hers	-0.21508	0.215078	1	-0.307819	6.41968	5.11254
FBgn02629	12798350	CG43277	-0.21506	0.215058	1	-0.397238	54.1391	40.5084
FBgn00318	33917	IFT52	0.214813	0.214813	1	0.900188	0.662062	1.2331
FBgn00353	38298	MsR1	-0.21459	0.214591	1	-0.498415	2.69906	1.8809
FBgn02632	34637	Phae1	-0.21454	0.214535	1	-0.441315	11.7866	8.55074
FBgn00311	33037	Obp19a	-0.21399	0.213989	1	-1.02746	2.11901	1.00032
FBgn02616	33654	FBgn02616	-0.2139	0.213903	1	-0.260935	508.601	418.456
FBgn00363	39466	CG12520	0.213779	0.213779	1	0.702887	1.46145	2.35613

FBgn00367	39998	CG5290	0.21369	0.21369	1	0.381078	6.9302	8.90025
FBgn00853	32302	CG34324	-0.21362	0.213617	1	-0.263798	273.525	224.599
FBgn00392	42941	CG13627	0.213543	0.213543	1	2.09283	0.0305791	0.160758
FBgn02648	34732	CG44085	0.213512	0.213512	1	0.267641	19.5188	23.1665
FBgn00523	318000	CG32373	0.213456	0.213456	1	0.507871	2.80951	3.94304
FBgn00417	40644	7B2	-0.21341	0.213406	1	-0.3494	34.5645	26.7407
FBgn00028	47854	Mst98Ca	-0.21334	0.213341	1	-0.249369	414.295	343.612
FBgn00350	37939	CG4741	-0.21331	0.213308	1	-0.528263	4.63717	3.16397
FBgn00503	35806	CG30371	0.212999	0.212999	1	0.307021	52.3197	63.8183
FBgn00324	34704	CG9928	0.21286	0.21286	1	0.285981	238.87	287.142
FBgn02675	26067233	CR45905	-0.21283	0.212829	1	-0.907167	1.91668	0.992119
FBgn02640	14462671	CR43753	0.212771	0.212771	1	0.549935	1.62487	2.34909
FBgn00115	44324	Ms	-0.21246	0.212456	1	-0.325743	48.154	37.8734
FBgn00395	43282	CG5987	-0.21231	0.212309	1	-0.278629	65.8944	53.553
FBgn00001	35078	Arr1	-0.21215	0.212154	1	-0.243764	286.129	238.237
FBgn00865	326237	Ubi-p5E	0.21183	0.21183	1	0.23352	531.001	615.496
FBgn00523	318005	sphinx1	-0.21174	0.211742	1	-0.439515	15.9242	11.5668
FBgn00372	40613	CG1124	0.211706	0.211706	1	0.316417	47.3908	58.1848
FBgn00389	42593	CG6015	-0.2117	0.211703	1	-0.347166	19.8599	15.3884
FBgn02665	19835431	CG45099	-0.2117	0.211703	1	-0.347166	19.8599	15.3884
FBgn00046	31185	Pgd	0.21165	0.21165	1	0.320881	25.6055	31.5353
FBgn00026	43765	Map205	0.211635	0.211635	1	0.258959	43.7105	51.5677
FBgn00339	36664	Cyp6a20	-0.21154	0.211538	1	-0.273045	104.958	85.6316
FBgn00298	31509	CG12239	-0.21154	0.211535	1	-0.275964	73.5931	59.9205
FBgn00348	37644	CG3788	-0.21145	0.211445	1	-0.31424	38.7065	30.6876
FBgn02597	37897	CG42383	-0.21139	0.211393	1	-0.355345	30.1455	23.2253
FBgn02618	10178874	CR42767	-0.21138	0.211375	1	-0.289048	137.62	111.038
FBgn00349	37763	CG15800	-0.21121	0.211208	1	-0.384807	40.1248	30.2841
FBgn00373	40687	RpL13A	-0.2111	0.211099	1	-0.347521	43.6345	33.8017
FBgn02670	19835659	CG45492	0.210743	0.210743	1	0.42679	18.7269	24.8304
FBgn00321	34348	CG4839	-0.21065	0.210652	1	-0.335353	7.21212	5.63449
FBgn00255	33942	AkhR	0.210394	0.210394	1	0.313852	17.0405	20.8845
FBgn00399	43806	Ekar	-0.21031	0.210311	1	-0.389483	7.79633	5.86501
FBgn00219	44701	Coprox	-0.21019	0.210194	1	-0.360325	22.2718	17.0995

FBgn00340	36769	casp	-0.21012	0.210121	1	-0.285051	48.9221	39.5823
FBgn00319	34049	CG13795	0.209939	0.209939	1	0.341013	13.3859	16.7183
FBgn00112	44913	Acam	-0.20981	0.209806	1	-0.281669	113.453	92.009
FBgn00393	43118	CG17770	-0.20981	0.209806	1	-0.281669	113.453	92.009
FBgn00351	38098	Gr61a	-0.20977	0.20977	1	-0.498642	4.94207	3.44327
FBgn00112	33040	Obp19d	-0.2096	0.209601	1	-0.35473	31.696	24.4301
FBgn02607	8674067	CG42560	-0.20931	0.209313	1	-0.302437	85.8564	68.6304
FBgn00502	37360	Ipk1	-0.20889	0.208892	1	-0.434972	4.73095	3.4473
FBgn00102	36363	Lac	0.208781	0.208781	1	0.299172	33.1203	40.1799
FBgn00351	38066	CG13891	-0.20825	0.20825	1	-0.396405	27.6604	20.7076
FBgn00851	50457	CG34168	-0.20822	0.208224	1	-0.272307	353.799	288.8
FBgn00155	33487	RpS21	-0.20821	0.208206	1	-0.306421	89.0339	70.9732
FBgn00277	31095	Lrpprc2	-0.20816	0.208159	1	-0.461967	3.49432	2.49833
FBgn00104	37447	Sdc	0.207449	0.207449	1	0.256601	58.3462	68.7218
FBgn00106	36308	CCT5	0.207313	0.207313	1	0.294354	38.9376	47.0795
FBgn00318	33943	Aatf	0.207149	0.207149	1	0.41729	7.42924	9.78556
FBgn00863	36538	tum	-0.20714	0.207139	1	-0.44609	5.63695	4.07547
FBgn00531	318890	p24-2	0.207053	0.207053	1	0.266427	47.1085	55.8653
FBgn00401	53552	lectin-21Ca	-0.20698	0.206981	1	-0.437996	15.057	10.9481
FBgn00387	42374	CG4465	-0.20693	0.206926	1	-1.33601	0.493179	0.183014
FBgn00346	37487	CG13492	0.206822	0.206822	1	0.261431	21.59	25.5147
FBgn00333	35948	Cyp4p3	0.206707	0.206707	1	0.286682	54.9626	66.1022
FBgn00040	37206	wbl	0.20665	0.20665	1	0.382142	13.9349	17.9099
FBgn00203	37786	TM4SF	-0.20665	0.206646	1	-0.393344	8.77742	6.58512
FBgn00343	37175	CG15083	-0.20642	0.206419	1	-0.351695	51.9971	40.162
FBgn00327	35211	fon	0.206245	0.206245	1	0.280525	46.7678	56.0067
FBgn00382	41730	CG9624	-0.20608	0.206083	1	-0.303906	66.9281	53.4448
FBgn00235	31209	CG3191	-0.20608	0.206078	1	-0.462948	9.254	6.61162
FBgn00503	35809	boly	-0.20607	0.206073	1	-0.300098	71.6526	57.3693
FBgn00347	37625	CG9826	-0.20601	0.20601	1	-0.991231	0.689858	0.334769
FBgn00390	42684	CG6972	0.205981	0.205981	1	0.354832	19.7282	24.8779
FBgn00021	33156	l(2)gl	0.205968	0.205968	1	0.253954	43.0059	50.5607
FBgn00853	5740234	CG34284	0.205953	0.205953	1	0.371575	39.8383	50.8265
FBgn00839	4379888	BG642163	-0.20577	0.20577	1	-0.251175	226.571	187.68

FBgn00331	35687	Drat	0.205738	0.205738	1	0.283711	37.1969	44.6437
FBgn02650	36753	Strn-Mlck	0.205735	0.205735	1	0.265447	5.05335	5.98863
FBgn00234	35419	Ac3	-0.20573	0.205728	1	-0.326495	9.65058	7.58612
FBgn00854	37132	Rgk2	0.205699	0.205699	1	0.420719	2.45835	3.24585
FBgn00115	36216	zetaTry	-0.20509	0.205089	1	-0.50126	9.27865	6.45241
FBgn00392	43034	CG10420	0.205014	0.205014	1	0.379785	10.1294	12.9976
FBgn02625	12798329	CG43108	-0.205	0.205	1	-0.375922	38.6155	29.3256
FBgn02604	41178	Unc-115b	0.204899	0.204899	1	0.26098	47.1958	55.7578
FBgn00196	3772415	roX2	-0.20438	0.204376	1	-0.410425	12.887	9.55316
FBgn00025	31009	RpL36	-0.20372	0.203718	1	-0.25295	426.949	353.225
FBgn00516	33359	CG31664	0.203712	0.203712	1	0.527236	2.46574	3.50838
FBgn00308	32740	ND-24	-0.20358	0.203577	1	-0.350963	31.7528	24.5378
FBgn00448	3355171	FucTC	-0.20352	0.203517	1	-0.458341	5.85036	4.19334
FBgn02651	117499	Gr22c	0.203271	0.203271	1	0.858368	0.941369	1.70039
FBgn00283	31605	l(1)G0255	-0.2032	0.203202	1	-0.279753	65.6988	53.3515
FBgn00517	261618	CG31740	-0.2028	0.202801	1	-0.240792	808.272	674.369
FBgn00393	43065	CG10560	0.202382	0.202382	1	0.323148	29.0067	35.781
FBgn00384	41959	CG5903	-0.20233	0.202333	1	-0.290401	38.7572	31.241
FBgn00264	32461	HDAC6	-0.20233	0.202325	1	-0.297866	15.0392	12.0599
FBgn00136	19893559	mt:tRNA:Le	-0.20213	0.20213	1	-0.276157	2008.92	1635.45
FBgn00396	43475	CG2010	0.202105	0.202105	1	0.405847	5.43167	7.09761
FBgn00518	261615	CG31806	-0.20207	0.202069	1	-0.322204	76.648	60.431
FBgn02615	41200	RpS29	0.202054	0.202054	1	0.229279	801.144	925.9
FBgn00384	42062	Keap1	0.201985	0.201985	1	0.352683	7.30861	9.20267
FBgn00412	37967	key	0.201952	0.201952	1	0.284602	60.4074	72.546
FBgn00302	32065	CG15198	-0.20178	0.20178	1	-0.319895	80.083	63.2408
FBgn00328	35252	CG13077	0.201763	0.201763	1	0.425514	9.70561	12.8579
FBgn00242	40836	Sodh-1	-0.20176	0.201758	1	-0.334521	29.8515	23.3344
FBgn00265	48422	CG5707	0.201625	0.201625	1	0.34547	15.7608	19.7459
FBgn00395	43396	aqrs	0.201524	0.201524	1	0.279817	77.5255	92.7952
FBgn00329	35407	CG8665	-0.20149	0.201491	1	-0.296593	21.9829	17.6436
FBgn02676	26067275	CR45948	-0.20146	0.201464	1	-0.696747	3.86203	2.33486
FBgn02599	8673995	Sfp70A4	-0.20144	0.201444	1	-0.485815	28.6467	20.1387
FBgn00519	326182	CG31988	-0.20108	0.201079	1	-0.23713	472.76	395.443

FBgn02630	42624	CG43343	-0.20099	0.200986	1	-0.230361	193.159	162.33
FBgn00348	37688	CG3124	-0.20078	0.200781	1	-0.241984	345.415	287.953
FBgn00132	37549	Gp150	0.200703	0.200703	1	0.224246	219.806	253.149
FBgn00303	32098	CG1572	0.200539	0.200539	1	0.273131	86.5429	103.109
FBgn00427	43191	Hex-t2	-0.20045	0.200447	1	-0.267807	100.221	82.0635
FBgn00385	42124	CG14322	0.200415	0.200415	1	0.299736	9.99101	12.1255
FBgn00306	32437	Lsd-2	0.200147	0.200147	1	0.241969	74.0158	86.2979
FBgn00284	31965	CG17841	0.200112	0.200112	1	0.26471	56.8761	67.3685
FBgn00343	37101	CG18107	-0.20006	0.200062	1	-0.404272	63.7275	47.4443
FBgn00310	33017	CG9581	-0.19976	0.199761	1	-0.442907	6.7929	4.92192
FBgn00106	46091	Nup214	0.199699	0.199699	1	0.299193	11.0465	13.4014
FBgn00319	34023	CG5973	0.199624	0.199624	1	0.270339	36.9882	43.9832
FBgn02679	26067505	CR46194	0.199536	0.199536	1	0.260359	74.3881	87.8456
FBgn00298	31562	CG3566	-0.19919	0.199191	1	-0.429845	8.80744	6.4404
FBgn00321	34274	jp	0.199118	0.199118	1	0.262758	21.1451	25.012
FBgn02651	14462736	asRNA:CR4	0.199022	0.199022	1	0.677796	3.07234	4.86594
FBgn00339	36628	CG12861	-0.19893	0.198925	1	-0.239186	392.246	327.628
FBgn00829	5740148	snoRNA:M	0.198681	0.198681	1	0.894288	12.6057	23.3892
FBgn00312	33184	Tbc1d15-1	0.198552	0.198552	1	0.316322	12.4831	15.3256
FBgn00409	50437	CG18662	-0.19819	0.198191	1	-0.274666	189.266	154.238
FBgn00314	33472	CG15399	0.198082	0.198082	1	0.483725	8.09901	11.1766
FBgn00316	33709	Marcal1	0.198082	0.198082	1	0.43387	4.14042	5.51747
FBgn02655	31340	yin	0.197924	0.197924	1	0.313002	13.3689	16.3753
FBgn00387	42324	CG3517	-0.19787	0.197866	1	-0.254956	153.357	126.698
FBgn00152	44965	Fer2LCH	0.197695	0.197695	1	0.226148	448.601	517.334
FBgn00303	32156	Sclp	0.197678	0.197678	1	0.288971	33.834	40.7565
FBgn00352	38255	CG5687	0.197349	0.197349	1	0.2803	27.396	32.8031
FBgn00319	34117	SLC5A11	-0.19733	0.197328	1	-0.28404	35.8663	29.0387
FBgn00324	34683	CG6180	-0.19726	0.197259	1	-0.295899	72.5697	58.2724
FBgn00370	40347	CG9389	-0.19701	0.197013	1	-0.244635	152.752	127.107
FBgn00265	40814	CG1307	-0.19701	0.197011	1	-0.420597	12.9556	9.53529
FBgn02645	14462775	CG43923	-0.19694	0.196936	1	-0.492129	16.9188	11.8405
FBgn00339	36662	Cyp6a19	-0.19693	0.196925	1	-0.431829	7.13698	5.21153
FBgn00406	50101	CG18672	-0.19691	0.196912	1	-0.421356	14.3036	10.5218

FBgn02604	38978	rhea	0.196784	0.196784	1	0.23447	37.9151	43.9774
FBgn00288	34777	CG9014	-0.19674	0.196743	1	-0.284516	67.6284	54.7362
FBgn00289	49804	Spn88Ea	0.196716	0.196716	1	0.285078	49.3608	59.2996
FBgn00101	35949	hig	-0.19659	0.196593	1	-0.287964	19.86	16.0355
FBgn00433	33819	bchs	0.196523	0.196523	1	0.285276	6.1218	7.35543
FBgn00266	40093	nes	0.196415	0.196415	1	0.270977	44.5818	53.0365
FBgn00863	49580	Invadolysin	0.196056	0.196056	1	0.271577	28.6077	34.0472
FBgn00310	32952	CG14205	0.195814	0.195814	1	0.33627	12.4761	15.5311
FBgn00034	39251	Sod1	-0.19576	0.195763	1	-0.281229	126.257	102.422
FBgn00395	43314	CG5639	0.195703	0.195703	1	0.346796	4.92437	6.17527
FBgn02649	14462747	asRNA:CR4	-0.1956	0.195595	1	-0.399299	26.5333	19.8221
FBgn00309	32843	CG6481	-0.19558	0.195584	1	-0.28492	65.5238	53.0178
FBgn02664	19836116	CG45064	0.195425	0.195425	1	0.788827	0.405633	0.696315
FBgn02664	19835504	CG45065	0.195425	0.195425	1	0.788827	0.405633	0.696315
FBgn00380	41558	Dtg	0.195321	0.195321	1	0.437429	3.83695	5.12588
FBgn00319	34017	CG5177	-0.19489	0.194891	1	-0.283195	81.8846	66.3354
FBgn02508	5740175	CG34160	-0.19485	0.194847	1	-0.355393	57.3476	44.1783
FBgn00297	31384	Usf	0.194668	0.194668	1	0.325748	9.29449	11.4861
FBgn00338	36517	CG6209	-0.19466	0.194657	1	-0.24505	132.465	110.193
FBgn00367	39950	UQCR-Q	-0.19464	0.194641	1	-0.299256	67.5629	54.125
FBgn00321	34310	CG13124	0.194489	0.194489	1	0.232546	123.345	142.877
FBgn00341	36922	CG6967	-0.19447	0.194474	1	-0.293517	21.1151	16.9831
FBgn02632	32468	Cngl	-0.19443	0.194432	1	-0.290993	5.25615	4.23501
FBgn00342	36976	CG4866	0.194416	0.194416	1	0.487249	9.16171	12.6748
FBgn00345	37302	CG13868	0.194396	0.194396	1	0.22627	152.612	176.01
FBgn00031	39002	Prm	0.194353	0.194353	1	0.247611	39.0985	45.7653
FBgn00360	39123	CG8329	-0.19429	0.194285	1	-0.269828	137.444	112.384
FBgn00320	34182	Bace	0.194148	0.194148	1	0.255817	110.067	129.57
FBgn02639	14462622	CG43742	-0.1939	0.193899	1	-1.40967	0.6085	0.213264
FBgn00000	33986	ade3	-0.19387	0.193871	1	-0.319034	9.69158	7.65776
FBgn00337	36381	ClC-b	0.193863	0.193863	1	0.285622	26.2939	31.6002
FBgn00343	37106	GstE1	0.193475	0.193475	1	0.319967	43.5335	53.5827
FBgn00302	32086	Or10a	-0.19343	0.193426	1	-0.81863	0.769391	0.425221
FBgn00455	117501	Gr10a	-0.19343	0.193426	1	-0.81863	0.769391	0.425221

FBgn00373	40646	CG14668	-0.19315	0.193149	1	-0.352607	30.4465	23.5002
FBgn00367	40026	CG18231	0.193053	0.193053	1	0.306682	29.0999	35.488
FBgn00333	35901	spab	-0.19298	0.192983	1	-0.494496	7.02677	4.90921
FBgn02625	12798480	CR43105	-0.19284	0.192843	1	-0.781636	3.01643	1.71336
FBgn02652	32708	CG18258	0.192163	0.192163	1	0.271131	63.0988	75.0736
FBgn00136	19893549	mt:ND5	0.192122	0.192122	1	0.209911	1107.86	1263.3
FBgn00307	32648	spheroide	-0.19206	0.192057	1	-0.3976	13.9583	10.44
FBgn02667	3346167	btsz	0.192031	0.192031	1	0.260662	7.26131	8.57679
FBgn00275	36146	LTV1	0.191978	0.191978	1	0.268293	48.2343	57.2751
FBgn02663	19836029	asRNA:CR4	-0.19179	0.191785	1	-0.374293	14.8525	11.2915
FBgn00387	42326	CG6255	-0.19163	0.191625	1	-0.27069	96.1293	78.5547
FBgn00370	40318	CG10587	-0.19153	0.191527	1	-0.399092	18.0728	13.5032
FBgn02628	12798390	CG43200	-0.19152	0.191523	1	-0.30921	107.23	85.3082
FBgn00112	33317	a5	-0.19152	0.191515	1	-0.674993	4.47915	2.75034
FBgn00394	43169	RpL34a	-0.19144	0.191443	1	-0.334202	57.6281	45.0553
FBgn02651	3772109	Meltrin	0.191255	0.191255	1	0.284439	9.85036	11.8285
FBgn00384	42021	CG17562	0.190688	0.190688	1	0.30142	28.388	34.4935
FBgn02658	19836140	CR44591	0.190675	0.190675	1	0.764211	1.5272	2.57524
FBgn00139	43493	Gycalpha9	-0.19065	0.190645	1	-0.41974	6.07162	4.47117
FBgn00356	38683	Jon65Aiii	-0.19064	0.190638	1	-0.231075	492.224	413.454
FBgn00869	34995	Cyt-c-d	-0.19063	0.190633	1	-0.25537	202.453	167.21
FBgn00363	39451	CG10969	-0.19062	0.190622	1	-0.291735	29.9501	24.1189
FBgn00133	35473	TpnC41C	-0.19026	0.190257	1	-0.305952	28.7088	22.8916
FBgn02652	40024	CG18234	-0.19011	0.190105	1	-0.275003	62.9753	51.3078
FBgn00388	42551	Archease	0.189922	0.189922	1	0.356191	16.907	21.3412
FBgn02612	42295	Ppcs	-0.18973	0.189728	1	-0.330602	8.87874	6.95905
FBgn00379	41467	CG14739	-0.18965	0.189648	1	-0.316033	50.3108	39.8356
FBgn00336	36268	CG13185	0.189549	0.189549	1	0.298202	2.90866	3.52635
FBgn00312	33170	CG4822	0.1895	0.1895	1	0.257553	30.2555	35.6597
FBgn00396	43410	CG14528	-0.18944	0.18944	1	-0.327084	17.5748	13.8087
FBgn00301	31862	CG15369	0.189365	0.189365	1	1.54029	0.513037	1.56432
FBgn00286	47065	qsm	0.18936	0.18936	1	0.357859	9.76404	12.3393
FBgn02607	32698	CG5004	0.189169	0.189169	1	0.292832	9.601	11.5965
FBgn02633	12798337	CR43418	-0.18913	0.189134	1	-0.499663	11.3359	7.89053

FBgn00344	37266	Obp56d	-0.18906	0.189064	1	-0.261211	148.262	121.956
FBgn00318	33954	CG17377	-0.18901	0.189009	1	-0.238643	218.447	182.528
FBgn00327	35149	ssp3	0.188784	0.188784	1	0.2684	14.7079	17.4661
FBgn00283	31950	ATPsyndelt	-0.18878	0.188776	1	-0.334749	8.96775	7.00849
FBgn02609	36272	MCPH1	-0.18861	0.188607	1	-0.24035	70.2868	58.6599
FBgn02650	14462471	asRNA:CR4	0.188214	0.188214	1	0.793273	1.7566	3.02582
FBgn00231	39959	Jon74E	-0.18795	0.187945	1	-0.259152	90.2953	74.3808
FBgn00028	41202	MtnA	-0.18792	0.187918	1	-0.225326	717.529	605.112
FBgn00336	36224	CG12384	-0.18773	0.187726	1	-0.358839	41.0283	31.5296
FBgn00404	34465	CG17104	-0.1877	0.187701	1	-0.407722	7.24538	5.38062
FBgn00343	37163	Cyp12b2	0.187643	0.187643	1	0.306322	23.1722	28.2521
FBgn02632	53473	SP1029	0.187631	0.187631	1	0.374684	4.36373	5.57973
FBgn00372	40623	CG2604	0.187591	0.187591	1	0.267696	52.9993	62.9074
FBgn00320	34139	CG7810	0.187547	0.187547	1	0.390563	10.3643	13.4001
FBgn00318	33911	CG9547	-0.1874	0.187397	1	-0.401484	11.2886	8.41995
FBgn00515	318781	CG31524	-0.18727	0.18727	1	-0.327642	21.8375	17.1512
FBgn00405	49992	CG15219	-0.18712	0.187123	1	-0.239818	488.243	407.628
FBgn00332	35808	CG11635	-0.1871	0.187104	1	-0.328454	38.959	30.5811
FBgn00137	36868	Idgf6	0.186974	0.186974	1	0.228257	193.756	223.77
FBgn00311	33094	CG15445	0.186877	0.186877	1	0.278637	29.3137	35.0592
FBgn00360	39098	CG3434	0.186767	0.186767	1	0.382835	10.7213	13.7872
FBgn00343	37125	CG17669	-0.18658	0.186584	1	-0.347436	16.4004	12.7042
FBgn00368	40037	Cyp12c1	0.186432	0.186432	1	0.296454	25.5927	30.9901
FBgn00516	33927	Oatp26F	-0.18615	0.186148	1	-0.647647	1.56398	0.979387
FBgn00296	31289	CG3603	-0.18611	0.186106	1	-0.388616	17.782	13.3833
FBgn00036	31054	su(w[a])	-0.186	0.185995	1	-0.247448	33.1389	27.521
FBgn00352	38219	Oseg4	0.185925	0.185925	1	0.470435	1.63568	2.23644
FBgn00325	34770	CG9263	-0.18592	0.185923	1	-0.308404	64.1662	51.0763
FBgn00333	35907	CG13747	-0.18587	0.185872	1	-0.280251	82.1132	66.6557
FBgn00390	42777	CG10164	-0.18572	0.185722	1	-0.239742	100.792	84.1539
FBgn00275	43350	mino	0.185716	0.185716	1	0.243464	45.4052	52.9949
FBgn00520	326195	CG32086	-0.18567	0.185666	1	-0.302774	33.9858	27.159
FBgn00539	39681	obst-H	0.185617	0.185617	1	0.654712	2.52235	3.93015
FBgn02670	19834759	CG45487	0.185613	0.185613	1	0.452528	11.9663	16.157

FBgn00324	34657	CG5435	-0.18559	0.185593	1	-0.338023	33.8229	26.3727
FBgn00325	34763	Hsp60D	-0.18543	0.185433	1	-0.267314	54.2512	44.4365
FBgn00344	37220	fest	-0.18528	0.185281	1	-0.222486	156.291	132.064
FBgn02658	19835660	CR44641	-0.18525	0.185249	1	-1.62963	2.21898	0.656181
FBgn00369	40156	CG14102	0.185088	0.185088	1	0.457197	3.61283	4.89409
FBgn00398	43648	Npc2g	-0.18499	0.18499	1	-0.291514	96.1205	77.4169
FBgn00391	42794	CG10252	-0.18491	0.184914	1	-0.22065	659.547	558.021
FBgn02627	12798391	CG43172	-0.1849	0.184898	1	-0.294551	111.641	89.7277
FBgn02667	19835966	CR45259	0.184693	0.184693	1	1.34659	0.712989	1.87414
FBgn00504	246645	CG30486	-0.18459	0.18459	1	-0.485074	9.87312	6.94325
FBgn00397	43601	CG9733	0.184433	0.184433	1	0.553195	2.65366	3.84638
FBgn00325	34808	Ance-3	0.184206	0.184206	1	0.304023	11.8336	14.4049
FBgn00435	246672	Obp22a	-0.18404	0.184041	1	-0.327918	48.346	37.9632
FBgn00382	41795	CG3610	-0.18402	0.184022	1	-0.284604	41.8165	33.8419
FBgn00500	246456	CG30098	0.184018	0.184018	1	0.495318	6.90868	9.61299
FBgn00256	31026	CG16989	-0.18385	0.183852	1	-0.278428	20.4341	16.6084
FBgn00199	41889	Rh6	0.183634	0.183634	1	0.294651	33.6762	40.7275
FBgn00531	326260	CG33120	0.183564	0.183564	1	0.337124	10.5982	13.2015
FBgn00312	33266	CG13949	0.183522	0.183522	1	0.59086	2.65608	3.95422
FBgn02630	8674062	CG43339	-0.1835	0.183495	1	-0.373202	13.9695	10.6278
FBgn00350	37902	CG3492	-0.18324	0.183235	1	-0.27175	60.1467	49.1135
FBgn00318	33913	CG9550	-0.18316	0.183155	1	-0.286697	51.5643	41.6699
FBgn02645	14462549	CR43905	-0.18306	0.183057	1	-0.370916	20.8897	15.918
FBgn00310	33009	CG9570	-0.183	0.183001	1	-0.26822	80.0857	65.5556
FBgn00378	41314	CG14695	0.182814	0.182814	1	0.450766	6.8769	9.27395
FBgn00279	35254	msb1l	-0.18276	0.182764	1	-0.401348	11.4198	8.5184
FBgn02674	44071	Mcr	0.182723	0.182723	1	0.251273	20.0467	23.5248
FBgn00503	246556	CG30350	-0.18255	0.182547	1	-0.287527	47.7092	38.5322
FBgn02616	36093	CG42733	-0.18239	0.182388	1	-0.296712	87.4363	70.1676
FBgn00387	42339	CG6231	0.18238	0.18238	1	0.317201	7.3374	9.01397
FBgn02597	8673976	CG42397	-0.18235	0.182354	1	-0.251349	228.774	189.476
FBgn00342	37029	OstDelta	0.182146	0.182146	1	0.243785	71.1146	83.0205
FBgn00514	326145	CG31496	-0.18205	0.182045	1	-0.345241	26.6727	20.6926
FBgn02645	14462904	CR43939	-0.18192	0.181924	1	-0.325624	46.875	36.8668

FBgn00296	31210	CG3091	0.181917	0.181917	1	0.271849	56.6078	67.3849
FBgn00518	318961	CG31820	-0.18166	0.181659	1	-0.235072	561.63	470.442
FBgn00503	35885	CG30349	0.181454	0.181454	1	0.363206	8.56012	10.8584
FBgn00395	43304	Cyp6a18	-0.18138	0.181383	1	-0.273043	20.3799	16.6265
FBgn00298	31596	pigs	0.181367	0.181367	1	0.252523	17.422	20.4625
FBgn00377	41238	CG3940	-0.18133	0.181329	1	-0.306149	19.5091	15.5534
FBgn02637	14462599	CR43660	-0.18131	0.181305	1	-0.681285	2.12917	1.3011
FBgn00376	41026	CG8032	-0.1812	0.181196	1	-0.324471	12.6602	9.96509
FBgn00372	40603	CG14658	-0.18119	0.181188	1	-0.380978	30.7579	23.2728
FBgn00385	42179	CG14314	-0.1811	0.181104	1	-0.35418	15.2538	11.7601
FBgn00315	33554	CG9662	-0.18103	0.181027	1	-0.376176	22.9421	17.4175
FBgn00351	38024	CG13875	-0.18094	0.180938	1	-0.381339	9.01946	6.82281
FBgn00412	35655	Gr43a	0.180878	0.180878	1	0.439719	5.40835	7.23733
FBgn02607	32701	Chchd2	0.18069	0.18069	1	0.247388	103.488	121.116
FBgn00320	34140	CG7806	0.180537	0.180537	1	0.257214	20.2453	23.8561
FBgn02631	43190	tx	0.180516	0.180516	1	0.362865	7.10446	9.00984
FBgn00011	44008	Hex-C	-0.18038	0.18038	1	-0.251742	93.2536	77.2134
FBgn00326	35041	Lrch	0.180188	0.180188	1	0.275981	9.81409	11.7161
FBgn00328	35279	COX4	-0.18	0.179999	1	-0.256348	98.9607	81.677
FBgn00351	38095	CG13901	-0.17998	0.179981	1	-0.391152	16.9098	12.7038
FBgn02591	44297	ome	0.179922	0.179922	1	0.262348	17.2385	20.3856
FBgn00523	326209	S-Lap2	-0.1799	0.179896	1	-0.211512	334.237	284.585
FBgn02630	41916	CG43317	-0.17984	0.179843	1	-0.447391	12.2439	8.8421
FBgn00530	326246	CG33056	0.179839	0.179839	1	0.279452	30.9156	36.9963
FBgn00338	36524	S-Lap7	-0.17977	0.179771	1	-0.209845	364.12	310.386
FBgn00391	42790	CG16710	0.17963	0.17963	1	0.836994	0.892557	1.58816
FBgn00526	31933	CG32694	0.179571	0.179571	1	0.249298	20.3587	23.8583
FBgn00350	37950	ST6Gal	0.179549	0.179549	1	0.569993	1.54689	2.26914
FBgn00376	41037	CG8136	-0.17945	0.179452	1	-0.244918	101.872	84.7498
FBgn00430	64879	Adgf-A2	-0.17945	0.179445	1	-0.243575	89.9531	74.9042
FBgn00353	38304	CG15877	0.1789	0.1789	1	0.494932	5.32641	7.40965
FBgn00139	42970	Elal	0.178851	0.178851	1	0.379996	6.55115	8.40806
FBgn00852	5740481	CG34198	0.178587	0.178587	1	0.385368	24.8273	31.9843
FBgn02633	40583	CG43427	0.178582	0.178582	1	0.223827	27.8781	32.098

FBgn00298	31568	mldr	-0.17857	0.178569	1	-0.299181	17.6303	14.1239
FBgn00359	38986	S-Lap1	-0.17856	0.178563	1	-0.198116	858.294	737.612
FBgn00523	317999	CG32371	-0.17855	0.17855	1	-0.226242	285.043	240.23
FBgn00316	33681	CG15628	0.178269	0.178269	1	0.227339	63.173	72.9128
FBgn00362	39331	CG10907	-0.17809	0.178094	1	-0.330787	19.3955	15.1994
FBgn02649	14462493	asRNA:CR4	-0.17772	0.177717	1	-0.64778	3.15655	1.97612
FBgn00364	39598	CG5048	-0.1776	0.177599	1	-0.252149	132.341	109.546
FBgn00112	34329	RpL13	-0.17754	0.177543	1	-0.24626	124.563	103.531
FBgn00347	37577	nsr	0.176899	0.176899	1	0.27929	22.1968	26.5597
FBgn00363	39474	CG11261	0.176888	0.176888	1	0.333058	10.6581	13.2389
FBgn00533	2768915	CG33306	-0.17686	0.176863	1	-0.33511	36.3919	28.4325
FBgn00397	43592	CG15531	0.176846	0.176846	1	0.278966	48.6255	58.17
FBgn00296	31350	lva	0.176612	0.176612	1	0.230092	22.5972	26.131
FBgn02645	14462917	CR43942	0.17653	0.17653	1	0.420742	10.3352	13.648
FBgn00389	42585	CG6332	-0.17632	0.176315	1	-0.26546	68.1008	55.8515
FBgn00106	46069	ATPsynG	-0.17612	0.176115	1	-0.281287	82.0453	66.551
FBgn00346	37435	CG9485	0.17592	0.17592	1	0.236053	30.0297	34.8698
FBgn00317	33796	Hsp60C	-0.17584	0.175844	1	-0.228272	118.326	99.5826
FBgn00275	41729	CG9631	0.175659	0.175659	1	0.395396	8.04069	10.4315
FBgn00348	37728	levy	-0.17546	0.175464	1	-0.332667	49.7049	38.8998
FBgn00356	38624	frm	0.175448	0.175448	1	0.419011	2.03214	2.68028
FBgn00313	33325	CG14346	0.175411	0.175411	1	0.355113	18.5572	23.4076
FBgn00322	34462	CG17098	-0.17536	0.175359	1	-0.240731	60.378	50.3761
FBgn00298	3772603	CG15892	-0.17524	0.17524	1	-0.287878	48.217	38.9322
FBgn02651	19835727	CG44247	-0.17514	0.175138	1	-0.283135	16.9261	13.7119
FBgn02640	319026	CG43755	-0.17481	0.174809	1	-0.210123	195.033	166.22
FBgn00526	32097	Drak	0.174698	0.174698	1	0.27428	12.2367	14.5911
FBgn02618	10178875	CG42752	-0.17458	0.174583	1	-0.362516	26.3301	20.181
FBgn00532	2768989	CG33284	-0.17429	0.174286	1	-0.232097	186.098	156.204
FBgn02664	19835454	CR45048	-0.17423	0.174226	1	-0.557109	2.90946	1.94379
FBgn00360	39208	CG14153	0.173951	0.173951	1	0.457349	6.69317	9.06847
FBgn02661	39099	CG44838	0.173944	0.173944	1	0.263608	10.5211	12.4527
FBgn02677	26067353	asRNA:CR4	0.173902	0.173902	1	0.900188	1.6641	3.10426
FBgn02607	246505	CG42559	-0.17371	0.173711	1	-0.267342	81.1975	66.505

FBgn00045	38726	Mdr65	0.17366	0.17366	1	0.323927	6.18671	7.63614
FBgn00514	318746	CG31459	-0.17357	0.173566	1	-0.259575	94.7453	78.0217
FBgn00327	35210	CG17350	-0.17354	0.173536	1	-0.438928	9.60138	6.97481
FBgn00332	35751	azot	-0.17331	0.173308	1	-0.311031	60.802	48.3079
FBgn00295	35614	Tsp42Ee	0.173259	0.173259	1	0.209438	314.273	358.252
FBgn00359	39008	CG13311	0.173175	0.173175	1	0.393254	20.4633	26.5085
FBgn00364	39653	FucTA	-0.17317	0.173165	1	-0.296069	14.2698	11.4564
FBgn00435	246666	Obp51a	-0.17307	0.173068	1	-0.24041	391.179	326.45
FBgn00513	318682	CG31323	-0.17298	0.172984	1	-0.308936	10.9882	8.74301
FBgn02508	33446	CG15394	-0.17288	0.172877	1	-0.24972	152.812	126.704
FBgn00344	37298	CG16868	0.172498	0.172498	1	0.337946	4.05759	5.05734
FBgn00501	246500	CG30177	-0.17242	0.172415	1	-0.27507	44.3378	36.1202
FBgn00338	36543	DJ-1alpha	-0.17234	0.172337	1	-0.570803	6.73411	4.45509
FBgn00150	38841	Cyp4d8	0.17219	0.17219	1	0.336591	13.5232	16.8393
FBgn00417	34879	yellow-c	0.172119	0.172119	1	0.267956	40.111	47.619
FBgn00522	317954	Drsl4	-0.17206	0.172057	1	-0.31338	112.173	88.9767
FBgn00503	246567	hubl	-0.17201	0.172014	1	-0.214082	146.927	124.877
FBgn00503	246568	spaw	-0.17201	0.172014	1	-0.214082	146.927	124.877
FBgn00382	41777	CG3505	0.171998	0.171998	1	0.354313	14.5017	18.2821
FBgn00336	36266	Damm	-0.17194	0.171935	1	-0.254913	50.8142	41.9806
FBgn02650	38923	eIF4E3	-0.17193	0.171928	1	-0.26571	77.8584	63.8424
FBgn02628	12798054	CG43254	-0.1719	0.171895	1	-0.281637	121.08	98.1894
FBgn00321	34326	CG5846	-0.17153	0.171533	1	-0.578544	4.80781	3.1631
FBgn00339	36586	CG8547	0.171529	0.171529	1	0.231917	57.7514	66.8676
FBgn00387	42320	CG3739	0.171359	0.171359	1	0.251934	57.5768	67.5979
FBgn00376	41030	CG8043	-0.17135	0.171352	1	-0.249258	93.0434	77.1713
FBgn00161	42759	ATPsynCF6	-0.17127	0.171271	1	-0.255491	142.114	117.361
FBgn00355	38530	Fdx2	-0.17092	0.170924	1	-0.307169	45.077	35.9104
FBgn00358	38859	CG7492	0.170839	0.170839	1	0.277413	19.3419	23.1137
FBgn00299	31653	CG4607	-0.17078	0.170783	1	-0.282076	22.2089	18.0047
FBgn00402	53472	Aplip1	-0.17068	0.170684	1	-0.357574	8.71911	6.70584
FBgn00144	35822	Cyp4e2	0.17065	0.17065	1	0.221118	124.038	142.545
FBgn00285	34773	CG9254	-0.17064	0.170641	1	-0.207285	308.663	263.58
FBgn00102	46008	Gel	0.170292	0.170292	1	0.209678	114.908	131.01

FBgn00352	38176	Iml1	0.170032	0.170032	1	0.234791	28.8911	33.5184
FBgn00383	41926	CG9632	-0.17	0.169995	1	-0.25808	71.3478	58.8148
FBgn00332	35812	CG8701	-0.16993	0.169927	1	-0.201653	646.854	554.537
FBgn00343	37139	CG5493	-0.16987	0.169871	1	-0.306138	28.838	22.9901
FBgn00326	35086	CG17681	0.169792	0.169792	1	0.574702	2.49435	3.67167
FBgn02631	35519	CG43366	0.169757	0.169757	1	0.952656	0.0937463	0.18197
FBgn00396	43441	dgt6	0.16938	0.16938	1	0.475022	2.6591	3.64791
FBgn00244	41965	Bin1	-0.16929	0.169289	1	-0.300139	12.6113	10.0961
FBgn02677	26067409	asRNA:CR4	0.169192	0.169192	1	0.452805	6.31035	8.52282
FBgn00363	39447	CG10973	0.169113	0.169113	1	0.317849	25.3546	31.1629
FBgn00311	33097	CG1724	-0.1691	0.169104	1	-0.430049	13.0952	9.5721
FBgn00673	2768934	CheB38a	0.168873	0.168873	1	1.13465	0.74774	1.67066
FBgn00382	41786	smp-30	-0.16884	0.168839	1	-0.242469	78.2123	65.1767
FBgn02834	36486	IMPPP	0.168586	0.168586	1	0.229743	137.715	159.213
FBgn00012	38389	Hsp83	0.168577	0.168577	1	0.190416	429.161	482.807
FBgn02669	19834826	CR45363	0.168552	0.168552	1	0.448445	2.46498	3.31907
FBgn00402	53513	Ugt36Ba	0.168432	0.168432	1	0.580099	1.71569	2.53524
FBgn00520	39196	CG32061	-0.16831	0.168306	1	-0.277946	72.5345	58.9722
FBgn00283	3771892	gdl-ORF39	-0.1682	0.168202	1	-0.25078	107.653	89.1941
FBgn00167	37430	RpL29	0.167973	0.167973	1	0.223565	498.088	573.381
FBgn02654	38001	zip	0.167968	0.167968	1	0.206465	56.1277	63.8504
FBgn00514	318753	CG31473	-0.16796	0.167963	1	-0.321338	31.4348	24.7959
FBgn00342	36960	mthl4	-0.16782	0.167818	1	-0.331587	14.0618	11.0129
FBgn00533	2768682	CG33340	-0.16773	0.167733	1	-0.202014	514.615	441.06
FBgn00166	33769	H15	-0.16764	0.16764	1	-0.742536	0.762521	0.445407
FBgn00363	39517	CG10089	-0.1676	0.167601	1	-0.257987	23.4421	19.3254
FBgn00328	35321	CG17470	-0.16759	0.167585	1	-0.230272	190.648	160.225
FBgn00510	318571	CG31050	-0.16701	0.167008	1	-0.330579	52.9083	41.4658
FBgn00309	32911	CG14195	-0.16694	0.166936	1	-0.53908	2.08343	1.40977
FBgn02613	8673957	Mst36Fb	-0.16673	0.166733	1	-0.253918	59.8788	49.5032
FBgn00390	42756	bb8	-0.16672	0.166722	1	-0.217866	149.18	126.458
FBgn00295	35613	Tsp42Ed	0.166374	0.166374	1	0.227655	127.581	147.284
FBgn02599	8674054	Sfp23F	-0.16633	0.166329	1	-0.486776	23.1434	16.2526
FBgn00369	40266	atk	-0.16628	0.166282	1	-0.319607	5.94401	4.6943

FBgn00387	42361	CG4686	-0.16628	0.166282	1	-0.319607	25.8054	20.3799
FBgn00602	37985	pain	0.16618	0.16618	1	0.256809	23.6918	27.9098
FBgn00316	33695	CG3036	0.166106	0.166106	1	0.238206	41.9593	48.7953
FBgn00021	48844	l(2)tid	-0.16608	0.166077	1	-0.349449	10.5181	8.13538
FBgn00312	33191	CG17075	0.166034	0.166034	1	0.341782	2.45796	3.07183
FBgn02655	19836138	CG44406	-0.16601	0.166012	1	-0.600505	12.647	8.18974
FBgn02612	40368	rgn	0.165991	0.165991	1	0.223642	41.454	47.7229
FBgn00351	3772105	CG9130	-0.16574	0.165741	1	-0.196285	239.697	206.254
FBgn02650	41921	cv-d	0.165697	0.165697	1	0.26131	13.6219	16.0973
FBgn00385	42095	CG5860	-0.16533	0.165333	1	-0.392593	11.7643	8.82837
FBgn00525	318096	CG32579	0.165235	0.165235	1	0.391937	7.4327	9.61988
FBgn00328	35286	sNPF	-0.16514	0.165144	1	-0.290419	18.693	15.0663
FBgn00345	37385	ND-B14.7	-0.16508	0.165081	1	-0.279524	76.7024	62.2918
FBgn00381	41624	CG8476	-0.16503	0.16503	1	-0.272917	65.576	53.5012
FBgn00398	43649	Npc2h	0.165012	0.165012	1	0.380252	15.0334	19.299
FBgn00344	37217	CG7461	0.164929	0.164929	1	0.223255	77.4036	89.0852
FBgn02628	12798537	CR43242	0.164739	0.164739	1	0.467229	5.48479	7.48347
FBgn00351	3772453	CG9133	-0.16463	0.164627	1	-0.19457	238.444	205.42
FBgn00133	42854	Syx1A	0.16456	0.16456	1	0.257481	16.4542	19.3927
FBgn00133	34866	ProtA	-0.16435	0.164353	1	-0.270006	93.5164	76.4515
FBgn00331	35615	Tsp42Ef	0.164288	0.164288	1	0.260994	46.9017	55.4126
FBgn00275	40250	CG5498	0.164244	0.164244	1	0.282488	27.5327	33.0182
FBgn00208	34059	CG7179	0.164079	0.164079	1	0.62717	1.07429	1.64176
FBgn00438	38167	SA-2	0.164073	0.164073	1	0.454721	2.02135	2.73383
FBgn00384	42074	CG5265	-0.16395	0.163948	1	-0.239077	57.5994	48.1122
FBgn00473	4379909	BG642312	-0.16393	0.163931	1	-0.215412	488.984	415.213
FBgn00504	246609	CG30429	-0.16391	0.163906	1	-0.273295	56.269	45.8958
FBgn00371	40431	CG7414	-0.16378	0.163779	1	-0.203271	158.066	135.355
FBgn00517	318920	CG31730	-0.16372	0.16372	1	-0.329825	38.7657	30.3974
FBgn00348	37721	CG3906	0.163681	0.163681	1	0.225608	183.772	211.853
FBgn00313	33374	Npc2a	-0.16367	0.163665	1	-0.315032	48.5227	38.4431
FBgn00235	31184	D2hgdh	0.163646	0.163646	1	0.227753	65.8597	76.0361
FBgn00516	318878	CG31674	-0.16343	0.163434	1	-0.357622	15.2544	11.7313
FBgn00156	35070	CadN	-0.16343	0.163427	1	-0.257168	5.61115	4.62837

FBgn00510	326113	CG31016	0.163069	0.163069	1	0.436135	1.89252	2.52643
FBgn00364	39603	CG13473	-0.16296	0.162958	1	-0.323149	48.4235	38.1476
FBgn00258	39539	Meics	0.162956	0.162956	1	0.378742	6.26365	8.0325
FBgn00354	38462	CG12766	-0.16281	0.162808	1	-0.389274	13.4506	10.1172
FBgn00276	41930	glob1	0.162726	0.162726	1	0.245531	54.1195	63.2575
FBgn00392	42994	Smg6	0.162671	0.162671	1	0.228164	42.1047	48.6245
FBgn00143	33571	tim	-0.16266	0.162658	1	-0.232274	23.4968	19.7196
FBgn00265	40837	CG1979	-0.16251	0.162505	1	-0.198995	152.583	131.048
FBgn00159	33219	crq	0.162415	0.162415	1	0.221627	60.0068	68.985
FBgn00106	46085	MFS14	0.162252	0.162252	1	0.245208	26.259	30.6859
FBgn00388	42556	CG5849	0.1621	0.1621	1	0.31386	8.21579	10.07
FBgn00411	38753	Prat2	-0.16206	0.162056	1	-0.249683	43.0872	35.7259
FBgn00525	32826	CG32548	-0.16201	0.162005	1	-0.25147	49.892	41.3168
FBgn00030	31204	pcx	0.161845	0.161845	1	0.268607	4.2654	5.06615
FBgn00510	43062	CG31087	-0.16182	0.161816	1	-0.262919	47.7175	39.2026
FBgn00102	38153	Myo61F	-0.16169	0.16169	1	-0.212272	69.077	58.7835
FBgn00867	39027	pix	0.161642	0.161642	1	0.204028	146.345	166.201
FBgn00286	34945	beat-Ic	-0.16162	0.161617	1	-0.405418	2.54687	1.89408
FBgn00531	35031	beat-IIIb	-0.16147	0.161465	1	-0.354441	6.05942	4.67028
FBgn00358	38870	CG7409	-0.16145	0.161445	1	-0.265636	86.2736	70.7447
FBgn02647	14462750	CG44008	-0.16141	0.161408	1	-0.224847	184.778	155.876
FBgn02672	31896	CG32700	0.161305	0.161305	1	0.32355	5.21373	6.4337
FBgn00338	36470	CG4714	-0.16111	0.16111	1	-0.237716	51.0201	42.6567
FBgn00343	37174	CG15098	0.161084	0.161084	1	0.195098	548.516	619.09
FBgn00356	38685	Jon65Ai	0.161078	0.161078	1	0.469209	6.05254	8.26984
FBgn00344	37289	Hsl	0.161009	0.161009	1	0.249427	19.7051	23.0946
FBgn00203	33269	dbe	0.16097	0.16097	1	0.391216	8.96381	11.5959
FBgn02632	12798457	CG43392	-0.16091	0.160907	1	-0.250509	277.366	229.847
FBgn00332	35720	CG1946	-0.1609	0.160898	1	-0.471951	6.61839	4.69653
FBgn02651	19836175	CG44242	-0.16065	0.160648	1	-0.374366	35.429	26.9284
FBgn00349	37789	CG5597	0.16063	0.16063	1	0.276022	47.9664	57.2654
FBgn00392	42978	CG10845	-0.16053	0.160532	1	-0.233073	69.2072	58.0495
FBgn00364	39593	CG9628	0.160428	0.160428	1	0.231831	99.316	114.987
FBgn00010	3772583	gdl	-0.16041	0.160414	1	-0.239065	97.0509	81.066

FBgn00303	32161	CG18130	-0.16026	0.160263	1	-0.283225	20.2025	16.3645
FBgn00290	33268	aru	-0.16017	0.160171	1	-0.286033	13.1325	10.6168
FBgn00317	33792	CG18266	-0.16008	0.160081	1	-0.228692	82.7724	69.6393
FBgn02666	19835829	asRNA:CR4	0.160076	0.160076	1	0.250777	70.3854	82.5703
FBgn00100	36780	Jhe	-0.15994	0.159935	1	-0.536523	2.60728	1.76727
FBgn00382	41800	UQCR-C1	-0.15987	0.159869	1	-0.227403	94.3925	79.4868
FBgn00344	37283	CG13869	0.159853	0.159853	1	0.505656	5.98229	8.38657
FBgn00335	36099	CG11825	-0.1598	0.159797	1	-0.730289	1.96003	1.15497
FBgn00403	53578	Jafrac1	0.159773	0.159773	1	0.221319	108.054	124.195
FBgn00341	36860	CG5065	-0.15966	0.159655	1	-0.203519	65.94	56.4558
FBgn00285	44269	sut2	0.159619	0.159619	1	0.39561	6.27723	8.14549
FBgn00395	43292	CG3368	-0.1596	0.159598	1	-0.274397	15.2241	12.4078
FBgn02615	40191	kug	0.159545	0.159545	1	0.233112	7.59999	8.80703
FBgn00396	43437	CG11876	-0.15955	0.159545	1	-0.297886	18.4196	14.7687
FBgn00004	43662	Sap-r	0.159527	0.159527	1	0.179306	440.703	491.989
FBgn00351	38072	Kah	0.15949	0.15949	1	0.322586	7.68741	9.47987
FBgn00300	31747	GIIIspla2	0.159139	0.159139	1	0.349114	10.272	12.9035
FBgn00335	36107	Caf1-105	0.158916	0.158916	1	0.351529	6.20913	7.8129
FBgn00503	246553	CG30345	-0.15881	0.15881	1	-0.29419	17.6848	14.216
FBgn00379	41413	CG14718	-0.15874	0.158736	1	-0.203586	164.411	140.757
FBgn00007	36030	FMRFa	0.158673	0.158673	1	0.403588	6.54731	8.54353
FBgn00005	35422	eEF2	0.158591	0.158591	1	0.172008	1108.07	1230.77
FBgn00116	42490	Mvl	0.158562	0.158562	1	0.240943	15.5258	18.0897
FBgn00221	47611	Gpo-1	-0.15828	0.158283	1	-0.265488	21.1421	17.3383
FBgn02661	19835231	CR44846	-0.15824	0.158236	1	-0.588991	2.97303	1.94093
FBgn00332	35810	CG18449	-0.15811	0.158111	1	-0.205801	400.815	342.621
FBgn00318	33899	retm	0.158085	0.158085	1	0.242895	22.343	26.0679
FBgn00019	34927	Gli	0.158044	0.158044	1	0.260087	12.7022	14.9978
FBgn00351	38141	tfc	-0.15801	0.158007	1	-0.573049	1.73131	1.14327
FBgn00011	45875	Hex-A	0.157916	0.157916	1	0.205245	64.9918	73.8718
FBgn00402	53436	c11.1	0.157855	0.157855	1	0.240131	14.1722	16.5033
FBgn00517	318943	CG31789	-0.15781	0.157805	1	-2.12956	0.520123	0.084134
FBgn00398	43693	ATPsynC	-0.15769	0.157694	1	-0.191148	313.119	270.393
FBgn00344	37293	CG8908	0.157573	0.157573	1	0.342648	3.28098	4.10297

FBgn00500	246411	CG30039	-0.15756	0.157556	1	-0.217882	264.679	224.361
FBgn02677	26067399	asRNA:CR4	-0.15719	0.157192	1	-0.532564	2.13897	1.45387
FBgn00395	43296	CG3330	-0.15648	0.15648	1	-0.204691	252.012	215.589
FBgn02674	26067056	WDY	-0.15626	0.156263	1	-0.409955	3.41642	2.53257
FBgn00305	32368	CG11590	-0.15624	0.156236	1	-0.418589	14.8937	10.9737
FBgn00140	41087	Rel	0.156186	0.156186	1	0.204351	74.2569	84.3505
FBgn02639	318008	jv	0.156065	0.156065	1	0.280203	5.91473	7.08199
FBgn00136	19893535	mt:CoII	0.155947	0.155947	1	0.169125	5130.13	5686.86
FBgn02636	317887	l(3)72Dp	0.155943	0.155943	1	0.312559	9.39038	11.4995
FBgn00393	3772506	CG11889	-0.15583	0.155834	1	-0.242175	32.1703	26.8134
FBgn00393	3772439	CG11891	-0.15583	0.155834	1	-0.242175	32.1703	26.8134
FBgn00382	41748	soti	-0.15582	0.15582	1	-0.219142	168.475	142.687
FBgn00275	43502	CG7601	0.155754	0.155754	1	0.326791	15.7719	19.5066
FBgn00047	36897	inaC	-0.15567	0.155667	1	-0.22374	64.401	54.3692
FBgn02597	39885	sinah	-0.15563	0.155628	1	-0.212172	150.731	128.278
FBgn00045	42117	Edg91	0.155598	0.155598	1	0.815299	1.79546	3.14631
FBgn00519	261610	pgant4	0.15531	0.15531	1	0.262412	20.2399	23.9365
FBgn00361	39242	lyd	-0.15512	0.155115	1	-0.197184	148.92	128.062
FBgn00396	43450	CG11897	0.155066	0.155066	1	0.236584	17.8247	20.7056
FBgn00357	38842	CG8539	0.155058	0.155058	1	0.349666	9.81728	12.3371
FBgn00045	47873	bgcn	-0.15501	0.155007	1	-0.282065	10.6573	8.6395
FBgn00393	43059	CG13659	0.154957	0.154957	1	0.3335	13.8712	17.2363
FBgn00027	43323	Mlc1	-0.15481	0.154814	1	-0.217089	127.647	108.262
FBgn00305	32325	CG11162	-0.15479	0.154789	1	-0.907167	1.66416	0.858962
FBgn00537	3772181	CG33784	-0.15476	0.154761	1	-0.486393	12.5936	8.8451
FBgn00157	35154	Nak	0.154671	0.154671	1	0.221611	18.2592	20.991
FBgn02508	37335	rig	0.154653	0.154653	1	0.297324	6.94659	8.41711
FBgn02660	19835343	CR44777	-0.15446	0.154455	1	-0.583378	2.65976	1.74329
FBgn00500	36248	Tret1-1	0.154453	0.154453	1	0.201617	80.3631	91.114
FBgn00370	40272	ND-39	-0.1543	0.154298	1	-0.243349	55.1142	45.8991
FBgn02654	32303	Neto	0.154285	0.154285	1	0.378145	1.36743	1.75292
FBgn02599	8674008	Sfp51E	-0.15423	0.154225	1	-0.25447	131.125	108.36
FBgn00199	42591	ND-42	-0.15382	0.153816	1	-0.231506	72.0256	60.4787
FBgn00217	34527	Nup154	0.153763	0.153763	1	0.262938	9.13718	10.81

FBgn02604	40628	CG12163	0.153668	0.153668	1	0.196493	110.407	124.733
FBgn02618	10178970	CR42756	-0.1536	0.153597	1	-0.56167	7.54304	5.02136
FBgn00319	34055	CG7203	0.153524	0.153524	1	0.730263	2.01883	3.32415
FBgn00330	35491	COX4L	-0.15346	0.15346	1	-0.225137	187.142	157.837
FBgn00512	42204	CG31235	-0.15332	0.15332	1	-1.0067	0.490573	0.234455
FBgn00139	37214	FK506-bp2	-0.15314	0.153136	1	-0.284424	65.6288	53.1153
FBgn00379	41379	PGRP-LB	0.153042	0.153042	1	0.313446	12.6892	15.5489
FBgn00383	41896	AOX3	0.152835	0.152835	1	0.197384	66.737	75.4433
FBgn02663	19836133	asRNA:CR4	-0.1528	0.152802	1	-0.339551	13.0528	10.1653
FBgn00299	31724	Upf2	0.152787	0.152787	1	0.275771	7.64982	9.13137
FBgn00396	43477	ND-20L	-0.15275	0.152748	1	-0.555694	6.13589	4.10206
FBgn00352	38243	CG12024	-0.15272	0.152721	1	-0.28509	22.4345	18.1485
FBgn00285	33412	robl22E	-0.15267	0.15267	1	-0.492129	13.0309	9.11491
FBgn02635	12797991	CR43491	-0.1526	0.152599	1	-0.458067	12.9086	9.24971
FBgn00320	34219	CG18088	0.15253	0.15253	1	0.523138	1.48132	2.10263
FBgn00056	43814	bt	0.152496	0.152496	1	0.177238	35.479	39.551
FBgn00405	38284	ACXD	-0.15245	0.152445	1	-0.350345	4.53765	3.50725
FBgn00435	39870	PGRP-SB1	0.152416	0.152416	1	0.23933	126.491	147.215
FBgn00115	41726	Dop1R1	-0.1524	0.152396	1	-0.37359	1.03475	0.786867
FBgn00330	35575	CG3270	-0.15236	0.152362	1	-0.278871	30.8194	25.0397
FBgn00349	37840	IntS1	0.152255	0.152255	1	0.250285	9.63956	11.3045
FBgn00533	3772025	CR33319	-0.15224	0.152235	1	-0.273774	81.4503	66.4108
FBgn02651	36694	Trpm	0.152135	0.152135	1	0.231332	9.83285	11.3805
FBgn00353	38354	Or63a	-0.15201	0.152011	1	-0.794692	1.18154	0.663693
FBgn00503	246577	CG30378	-0.15186	0.15186	1	-0.219859	131.298	111.144
FBgn00341	36911	CG6805	0.151711	0.151711	1	0.260268	28.325	33.4485
FBgn00318	33949	CG11322	0.151629	0.151629	1	0.333136	9.89379	12.2909
FBgn00831	50417	Neb-cGP	-0.15157	0.151572	1	-0.290542	37.6389	30.3325
FBgn02508	2768925	CG33308	0.151502	0.151502	1	0.250604	66.4115	77.8997
FBgn00511	42796	Gba1a	-0.15144	0.151438	1	-0.221641	80.0398	67.6701
FBgn00317	33765	fusl	-0.15138	0.151375	1	-0.281597	13.0556	10.587
FBgn00140	38831	Rac2	0.151342	0.151342	1	0.235828	34.3776	39.9128
FBgn00379	41469	ATP8B	0.151323	0.151323	1	0.236184	11.2146	13.0235
FBgn00005	33351	Eno	-0.15118	0.151182	1	-0.197832	85.9401	73.8698

FBgn00535	31200	SmydA-8	-0.15118	0.151177	1	-0.372957	4.81302	3.66161
FBgn02834	34294	und	-0.15113	0.151133	1	-0.226884	70.0096	58.9748
FBgn00392	42964	Nct	0.151131	0.151131	1	0.243964	23.7303	27.7073
FBgn02675	26067175	pre-rRNA:C	0.150989	0.150989	1	0.191918	44.5152	50.1321
FBgn00374	40809	sowi	-0.15096	0.150961	1	-0.231111	131.897	110.782
FBgn00510	318562	CG31029	-0.15051	0.150513	1	-0.189995	148.175	128.058
FBgn00272	31712	l(1)G0193	0.150512	0.150512	1	0.220522	36.1198	41.4925
FBgn00520	39258	IRSp53	0.150504	0.150504	1	0.245322	12.5941	14.7186
FBgn02637	326128	Ada2a	-0.15046	0.150462	1	-0.352199	7.35823	5.67989
FBgn00393	43063	CG10559	0.150355	0.150355	1	0.494695	3.1779	4.42113
FBgn00529	34237	CG32982	0.150257	0.150257	1	0.302806	6.85255	8.33497
FBgn02677	26067437	CR46120	0.150226	0.150226	1	0.742336	1.39732	2.32129
FBgn00395	43354	Gp93	0.150225	0.150225	1	0.203167	75.7267	85.9498
FBgn00123	41170	Dh44	-0.15017	0.150169	1	-0.308372	12.0048	9.55481
FBgn02667	19835623	CR45231	0.150158	0.150158	1	0.354404	2.51347	3.16912
FBgn00328	35247	CG10337	0.150085	0.150085	1	0.251823	44.1432	51.8232
FBgn00322	34389	CG5381	0.149998	0.149998	1	0.224303	38.8774	44.7776
FBgn00202	36760	ATPCL	0.149986	0.149986	1	0.185063	113.668	127.404
FBgn00520	317841	Elo68alpha	0.149901	0.149901	1	0.303966	26.1447	31.8263
FBgn00330	35553	tomboy40	-0.14937	0.149367	1	-0.233771	78.9743	66.2087
FBgn02676	26067326	CR46005	0.149334	0.149334	1	1.6778	0.0495882	0.169449
FBgn00019	34903	esg	0.149239	0.149239	1	0.38784	4.3551	5.62092
FBgn00343	37148	Gint3	0.14922	0.14922	1	0.214304	56.556	64.6888
FBgn02592	7354425	CG42306	0.14922	0.14922	1	0.214304	56.556	64.6888
FBgn00055	43825	sv	-0.14918	0.149177	1	-0.371299	2.8644	2.18166
FBgn00231	39628	Prosbeta2	0.149067	0.149067	1	0.22385	103.508	119.18
FBgn00373	40640	Cerk	0.149016	0.149016	1	0.234883	28.6641	33.2577
FBgn00010	42832	Gdh	-0.14895	0.148954	1	-0.215507	67.398	57.2252
FBgn00379	3772232	fabp	-0.14883	0.14883	1	-0.194878	142.294	122.56
FBgn00313	33323	CG5565	-0.14879	0.148791	1	-0.239864	90.2681	75.3569
FBgn00510	326111	CG31013	-0.14873	0.148727	1	-0.308556	15.9974	12.731
FBgn00319	34015	CG5160	0.148667	0.148667	1	0.561603	1.83068	2.67048
FBgn00347	37556	CG13506	0.148634	0.148634	1	0.205106	63.4685	72.1337
FBgn00501	37328	Hil	0.148523	0.148523	1	0.334771	4.89882	6.09274

FBgn00354	38434	CG10359	0.148476	0.148476	1	0.428224	4.02422	5.34288
FBgn00382	41722	CG14356	-0.14841	0.148409	1	-0.50191	8.3044	5.76828
FBgn00531	326261	Spn28Db	-0.14841	0.148409	1	-0.50191	5.17277	3.59304
FBgn00309	32832	psh	0.14815	0.14815	1	0.356375	7.99545	10.095
FBgn00520	317823	CG32017	-0.14812	0.148116	1	-0.222402	29.7886	25.1715
FBgn00387	42400	CG5023	-0.14805	0.148045	1	-0.288436	46.0976	37.2034
FBgn00288	34776	CG7311	-0.14797	0.147969	1	-0.208374	82.5673	70.4529
FBgn02834	33524	FASN1	0.147807	0.147807	1	0.166942	190.703	211.079
FBgn00322	34450	Lip4	0.147675	0.147675	1	0.225692	41.4635	47.8023
FBgn02599	36285	Mppe	0.147496	0.147496	1	0.25259	29.9659	35.1981
FBgn00326	35050	CG18563	0.147387	0.147387	1	0.520787	3.06739	4.34691
FBgn00357	38782	CG15829	0.147387	0.147387	1	0.520787	5.50546	7.802
FBgn00364	39610	mop	0.147215	0.147215	1	0.211558	24.3593	27.8093
FBgn00356	38623	CG13285	0.147211	0.147211	1	0.274051	29.7782	35.5032
FBgn00350	37994	CG2765	0.147091	0.147091	1	0.176961	199.443	222.291
FBgn00361	39225	Cpr67Fb	0.147084	0.147084	1	0.239323	153.088	178.17
FBgn00370	40342	CG10508	-0.14704	0.147035	1	-0.276322	13.0614	10.6306
FBgn00038	41124	betaTub85	-0.147	0.147004	1	-0.177656	399.14	347.916
FBgn02675	26067172	28SrRNA:C	0.146964	0.146964	1	0.199775	54.5205	61.7354
FBgn00353	38315	CG16758	-0.14684	0.14684	1	-0.205597	101.715	86.9584
FBgn00311	33076	CG1532	0.146819	0.146819	1	0.240729	54.5783	63.5823
FBgn00340	36750	Mlf	-0.14674	0.146739	1	-0.219382	47.4681	40.195
FBgn00056	42834	GluProRS	0.146728	0.146728	1	0.230594	15.5682	18.0094
FBgn00325	34751	loqs	-0.14668	0.146683	1	-0.237584	37.2414	31.1388
FBgn00369	40154	ms(3)76Ca	-0.14666	0.146656	1	-0.235916	62.7375	52.5178
FBgn00326	35022	CG6012	-0.14659	0.146593	1	-0.299403	29.5963	23.7038
FBgn00375	40915	CG2616	-0.14652	0.146516	1	-0.345568	10.1295	7.8553
FBgn02625	38895	Ect4	0.1465	0.1465	1	0.170368	107.832	119.637
FBgn00517	326159	CG31773	-0.1464	0.146397	1	-0.205565	79.8617	68.2772
FBgn00516	35348	CG31673	0.146393	0.146393	1	0.256864	39.5971	46.6494
FBgn00868	36139	dgo	0.146313	0.146313	1	0.37126	3.16645	4.03974
FBgn00385	42118	CG14327	0.146188	0.146188	1	1.94083	0.125964	0.562877
FBgn00539	39092	CG33926	-0.14607	0.146073	1	-0.297333	38.3188	30.734
FBgn00863	34445	Myo31DF	0.146016	0.146016	1	0.209232	34.8645	39.7381

FBgn00305	32319	Tango2	-0.14598	0.145976	1	-0.328993	13.3718	10.4905
FBgn00342	36993	Dcr-2	0.145937	0.145937	1	0.215013	22.1367	25.3325
FBgn00353	38273	CG15822	-0.14586	0.145859	1	-0.347739	3.80548	2.9466
FBgn00378	41264	CG18545	-0.14571	0.145711	1	-0.465461	11.249	8.01789
FBgn00511	318593	ppk22	-0.14568	0.145676	1	-0.31111	14.2563	11.325
FBgn00116	31816	Moe	0.14558	0.14558	1	0.188406	72.4997	81.4491
FBgn00514	318716	CG31407	-0.14556	0.145557	1	-0.260679	59.537	48.9874
FBgn00343	37118	PIG-O	0.14549	0.14549	1	0.281073	8.87428	10.6322
FBgn00344	37268	CG8517	-0.14546	0.145462	1	-0.196997	357.497	307.463
FBgn00298	31553	Efr	-0.1454	0.145404	1	-0.263563	26.8533	22.0507
FBgn00322	34390	CG4995	-0.1454	0.145398	1	-0.236426	56.4066	47.2013
FBgn02646	43828	CaMKII	-0.14537	0.145366	1	-0.195028	61.3769	52.8589
FBgn02630	33984	CG43322	0.145215	0.145215	1	0.399888	6.79862	8.8491
FBgn00377	41161	P58IPK	0.145188	0.145188	1	0.218394	50.4708	57.8928
FBgn00513	318680	HEATR2	0.14487	0.14487	1	0.238925	19.6129	22.82
FBgn02638	14462703	CR43713	-0.14486	0.144864	1	-0.706868	3.38927	2.03085
FBgn02638	14462895	CR43705	0.14482	0.14482	1	0.874193	1.49136	2.73144
FBgn00866	117369	Desat1	0.144797	0.144797	1	0.162569	778.104	858.634
FBgn00340	36724	CG12963	-0.14474	0.14474	1	-0.26259	13.945	11.4587
FBgn00336	36318	Cyp6t3	0.144621	0.144621	1	0.352335	7.81342	9.83755
FBgn00511	43054	CG31104	-0.14461	0.144609	1	-0.239177	57.0417	47.6415
FBgn00348	37716	Or59c	0.144594	0.144594	1	0.449398	4.2336	5.70519
FBgn00368	40119	CG9452	0.144535	0.144535	1	0.377448	6.31203	8.08782
FBgn00368	40056	CG3961	0.1445	0.1445	1	0.210716	36.7575	41.9388
FBgn00199	42464	RpS20	0.144257	0.144257	1	0.191888	473.057	532.737
FBgn00395	43287	CG14260	-0.14421	0.144208	1	-0.408418	11.6189	8.62143
FBgn00510	43547	Cog7	0.144142	0.144142	1	0.306146	9.45899	11.5322
FBgn02644	14462730	asRNA:CR4	-0.14395	0.143953	1	-0.640063	2.62157	1.64912
FBgn02649	31792	Nrg	0.143863	0.143863	1	0.204893	16.1924	18.4005
FBgn00385	42106	P5cr-2	-0.14386	0.143861	1	-0.29458	21.7742	17.4976
FBgn00851	5740831	CG34167	-0.14386	0.143861	1	-0.505804	8.87623	6.14807
FBgn02621	10178880	CG42853	-0.14374	0.143735	1	-0.231053	92.1145	77.3701
FBgn00104	37292	RpS18	-0.14363	0.143627	1	-0.183969	694.574	602.788
FBgn00383	41846	CG14864	-0.14351	0.143513	1	-0.275786	22.4875	18.3091

FBgn00341	36851	RpS15	-0.14332	0.143322	1	-0.18939	403.195	348.6
FBgn00297	31458	Usp16-45	-0.1433	0.143297	1	-0.266677	9.77067	8.00582
FBgn00367	39992	CG5506	-0.14318	0.143184	1	-0.192534	431.023	371.848
FBgn00458	34894	yuri	-0.14301	0.14301	1	-0.197067	49.3263	42.4205
FBgn00366	39905	CG6652	-0.14288	0.142877	1	-0.209475	70.1236	59.7889
FBgn00435	246668	Obp56f	-0.14282	0.142818	1	-0.235607	154.885	129.682
FBgn02592	33125	DIP-beta	-0.14274	0.142737	1	-0.437681	1.63754	1.19028
FBgn00367	39952	qjt	-0.14258	0.142577	1	-0.345799	17.8636	13.8504
FBgn00397	43593	CG9743	-0.14246	0.142455	1	-0.217951	70.8562	60.0588
FBgn02599	32874	CG42450	0.142393	0.142393	1	0.242926	6.61094	7.71336
FBgn02597	37936	CG42361	-0.14239	0.142391	1	-0.401276	11.0837	8.26567
FBgn00853	32072	CG34348	-0.14227	0.142267	1	-0.333684	9.06571	7.08885
FBgn00531	326264	AGBE	0.14224	0.14224	1	0.240175	26.7168	31.1126
FBgn00375	40919	CG11286	-0.14223	0.142232	1	-0.298047	35.3389	28.3294
FBgn00366	39883	Zcchc7	0.14221	0.14221	1	0.229775	14.2806	16.5105
FBgn00012	43569	janA	-0.1422	0.142204	1	-0.234713	111.151	93.1222
FBgn02628	12798528	CG43222	-0.1422	0.142204	1	-0.325937	44.6871	35.1324
FBgn00275	36959	EDTP	0.142192	0.142192	1	0.234961	21.9823	25.5066
FBgn00397	43636	CG9717	0.142164	0.142164	1	0.289966	9.98504	12.0373
FBgn00388	42483	CG5697	0.142111	0.142111	1	0.318934	18.7349	23.0456
FBgn02615	39889	Lmpt	0.14208	0.14208	1	0.186055	25.9415	29.0963
FBgn00056	43334	Ets98B	0.141973	0.141973	1	0.274894	9.44255	11.2646
FBgn00327	35222	CG10237	0.141874	0.141874	1	0.249617	18.4473	21.6238
FBgn00326	35069	CG15147	-0.14181	0.141812	1	-0.273949	64.2262	52.3591
FBgn00394	43264	caix	-0.14181	0.141805	1	-0.368701	12.6483	9.65064
FBgn00331	35669	CG11125	-0.14176	0.141759	1	-0.224679	46.8637	39.5371
FBgn00379	41468	CG14740	-0.14162	0.141622	1	-0.209836	93.743	79.907
FBgn00383	41890	Trissin	-0.14153	0.14153	1	-0.509831	10.295	7.11015
FBgn00038	40848	alphaTub84	-0.14138	0.141381	1	-0.17064	459.142	402.169
FBgn02673	34427	KdelR	0.141333	0.141333	1	0.203531	89.2486	101.323
FBgn00318	33940	CG11327	-0.14129	0.141294	1	-0.198123	119.055	102.312
FBgn00421	59171	CG18810	-0.14109	0.141088	1	-0.228985	77.8489	65.4818
FBgn02623	12798305	CG43057	-0.14104	0.141042	1	-0.34145	31.4692	24.4735
FBgn00205	37929	pio	0.141022	0.141022	1	0.234852	18.8081	21.8218

FBgn00514	12798523	CR31451	-0.14095	0.140946	1	-0.268687	27.9133	22.8393
FBgn00284	35963	Non1	0.1409	0.1409	1	0.186018	130.908	146.825
FBgn02597	37469	CG42365	0.140746	0.140746	1	0.332269	17.2719	21.4444
FBgn00314	33475	CG2964	-0.1406	0.140595	1	-0.28521	17.7357	14.3456
FBgn00276	39222	CG6404	-0.14052	0.140522	1	-0.232215	46.0585	38.6547
FBgn00357	38806	RhoGEF4	0.140367	0.140367	1	0.574173	1.28318	1.88884
FBgn02609	39399	app	0.140333	0.140333	1	0.224574	9.34903	10.77
FBgn02639	36442	Ack-like	0.140301	0.140301	1	0.246828	6.74284	7.88862
FBgn00166	41845	ATPsynO	-0.14024	0.140241	1	-0.223461	126.239	106.593
FBgn02604	40126	Rcd7	-0.14021	0.140213	1	-0.189528	149.522	129.263
FBgn00336	36311	wash	-0.14011	0.14011	1	-0.28556	18.8108	15.2114
FBgn00364	39657	CG7011	0.139973	0.139973	1	0.35218	9.4414	11.8862
FBgn00408	50286	Nplp2	0.139931	0.139931	1	0.169231	1165.1	1291.63
FBgn00011	38765	Galphai	0.139838	0.139838	1	0.244986	25.9905	30.3681
FBgn00249	41269	Irp-1B	0.139635	0.139635	1	0.199226	58.6037	66.3339
FBgn00140	44038	Hf	0.139539	0.139539	1	0.250954	53.2856	62.5191
FBgn02630	12798323	CG43327	-0.13951	0.139507	1	-0.207152	99.8559	85.2763
FBgn02630	246625	CG43328	-0.13951	0.139507	1	-0.207152	99.8559	85.2763
FBgn00270	37420	CG4302	-0.13946	0.13946	1	-0.227016	52.2047	43.9714
FBgn00375	40892	wa-cup	-0.13944	0.13944	1	-0.220473	56.7977	48.0581
FBgn00402	36990	POSH	0.13918	0.13918	1	0.30564	6.61602	8.06333
FBgn02618	10178908	CG42782	0.139018	0.139018	1	0.212837	184.062	210.317
FBgn00297	31483	RpL35	-0.139	0.139004	1	-0.197758	275.027	236.408
FBgn00338	36518	CG13337	-0.13897	0.138966	1	-0.186932	113.867	98.6165
FBgn00677	33161	dbr	0.138693	0.138693	1	0.228185	16.5826	19.1509
FBgn00396	43489	ppk19	0.13869	0.13869	1	0.685658	1.08619	1.73211
FBgn00275	36020	PCB	-0.13869	0.13869	1	-0.194112	47.686	41.094
FBgn00420	59177	Tsp42Eb	-0.13844	0.138435	1	-0.253128	62.2353	51.4765
FBgn00320	34217	CG9525	-0.13839	0.13839	1	-0.315822	7.40911	5.86616
FBgn00030	37687	ord	0.138357	0.138357	1	0.323717	4.28996	5.29468
FBgn02665	35512	Gp210	0.138301	0.138301	1	0.235468	8.09139	9.39196
FBgn02667	19834764	CR45252	-0.1383	0.138296	1	-0.731595	4.57095	2.68907
FBgn00368	40102	Gbs-76A	0.138232	0.138232	1	0.195581	34.0878	38.4868
FBgn02628	45683	milt	-0.13823	0.138232	1	-0.19973	23.984	20.588

FBgn00286	42216	Vha100-2	0.138123	0.138123	1	0.178269	117.121	130.657
FBgn00325	34999	Prosbeta4	0.137957	0.137957	1	0.227087	92.3247	106.543
FBgn02666	50428	Sem1	0.137649	0.137649	1	0.255993	98.9185	116.467
FBgn00136	19893560	mt:lrRNA	-0.13745	0.137449	1	-0.141203	36525.9	32653.3
FBgn00357	38825	CG8564	-0.13734	0.137344	1	-0.181916	178.433	155.073
FBgn02591	43018	Clbn	0.137325	0.137325	1	0.228755	21.1054	24.3839
FBgn00370	40357	CG7632	0.137317	0.137317	1	0.270832	22.8893	27.2293
FBgn00102	36582	Mdr50	-0.13726	0.137255	1	-0.332773	4.46892	3.49657
FBgn00521	317880	saturn	-0.13725	0.137247	1	-0.215406	125.358	106.443
FBgn00518	261614	CG31867	-0.13717	0.137168	1	-0.370298	16.1404	12.3009
FBgn00326	35095	CG5790	-0.13715	0.137145	1	-0.18398	125.728	109.112
FBgn00525	326222	CG32564	-0.13703	0.137031	1	-1.99463	0.307255	0.060573
FBgn00285	33739	qtc	-0.13701	0.137007	1	-0.238147	19.3149	16.1432
FBgn00010	33627	ft	-0.13695	0.136951	1	-0.400069	0.636918	0.475362
FBgn00350	37947	Pof	-0.13694	0.136936	1	-0.18717	136.651	118.329
FBgn00304	32292	CG1640	-0.13652	0.136518	1	-0.194217	68.1798	58.7503
FBgn02633	12798319	CR43417	-0.13646	0.136456	1	-0.290037	22.0236	17.7538
FBgn00501	246460	CG30108	0.136444	0.136444	1	0.384723	16.5731	21.3448
FBgn00298	31607	Pink1	-0.13642	0.136421	1	-0.208067	41.946	35.7987
FBgn00634	39864	Lasp	-0.1363	0.136296	1	-0.192552	49.6713	42.8511
FBgn02646	14462875	CG43954	-0.1363	0.136296	1	-0.192552	49.6713	42.8511
FBgn00519	326179	CG31952	-0.1362	0.136196	1	-0.306671	18.0258	14.3633
FBgn00338	36469	CG4712	-0.13611	0.136111	1	-0.202879	69.3744	59.4212
FBgn00368	40069	CG3819	0.136064	0.136064	1	0.360586	7.93915	10.0539
FBgn00150	46040	cype	-0.13598	0.135984	1	-0.252573	99.7734	82.5567
FBgn00625	38322	CG16984	-0.13594	0.135939	1	-0.238937	57.1686	47.7546
FBgn00500	36064	gem	0.135821	0.135821	1	0.180412	48.8962	54.6284
FBgn00518	319000	CG31882	-0.13579	0.135789	1	-0.25858	56.4134	46.4839
FBgn02651	49805	Spn42Da	0.135723	0.135723	1	0.220152	31.542	36.2247
FBgn00100	30986	Cyp4g1	0.135707	0.135707	1	0.141018	9584.12	10419.2
FBgn00346	37477	CG10307	-0.13569	0.13569	1	-0.242431	45.4664	37.8873
FBgn00337	36434	CG13324	-0.13569	0.135685	1	-0.264777	83.4742	68.4855
FBgn00315	33570	CG15414	0.135648	0.135648	1	0.734379	0.971842	1.60571
FBgn00368	40142	ms(3)76Cc	-0.1356	0.135603	1	-0.196342	50.2612	43.246

FBgn00235	30995	CG17896	-0.13547	0.135468	1	-0.201581	71.3549	61.1726
FBgn00379	41453	CG12224	-0.13547	0.135468	1	-0.319702	13.1005	10.3441
FBgn00409	50466	CG10570	-0.13534	0.135339	1	-0.171968	211.697	185.257
FBgn02602	8674072	CG42502	-0.13534	0.135339	1	-0.171968	211.697	185.257
FBgn02599	8674093	Sfp84E	-0.13513	0.135132	1	-0.291869	42.6232	34.3156
FBgn00303	3772605	CR32661	-0.13504	0.135036	1	-0.205496	214.587	183.466
FBgn00361	3772574	FBgn00361	-0.13483	0.134833	1	-0.188378	68.7764	59.505
FBgn00361	3772566	CG11714	-0.13483	0.134833	1	-0.188378	68.7764	59.505
FBgn00372	40587	eIF3f1	-0.13483	0.134832	1	-0.224713	66.7273	56.2932
FBgn00580	3355155	ND-AGGG	-0.1347	0.1347	1	-0.238471	87.824	73.3856
FBgn02652	33630	CG15425	-0.1347	0.134696	1	-0.233254	91.0797	76.3827
FBgn00374	40797	CG15186	-0.13469	0.134689	1	-0.348275	2.53347	1.96082
FBgn00314	3771890	eys	-0.13463	0.134628	1	-0.253847	5.87542	4.85724
FBgn02609	3346192	Vmat	-0.13445	0.13445	1	-0.205563	16.939	14.4817
FBgn00289	34768	CG15638	-0.13443	0.13443	1	-0.528655	10.1995	6.94966
FBgn00352	38165	CG9173	-0.13439	0.134387	1	-0.215343	46.9274	39.8481
FBgn02629	12797884	CR43283	0.13438	0.13438	1	0.414761	0.84433	1.11056
FBgn00408	50300	CG13315	0.134201	0.134201	1	0.171124	723.691	803.342
FBgn00133	37235	RpL11	-0.13413	0.13413	1	-0.193283	194.974	168.117
FBgn00368	40073	CG18135	0.134028	0.134028	1	0.164701	159.492	176.259
FBgn00415	64874	eIF2D	0.134014	0.134014	1	0.297088	11.902	14.4197
FBgn00318	33930	Tango1	0.133933	0.133933	1	0.196247	33.2621	37.5719
FBgn00322	34383	CG5390	0.133803	0.133803	1	0.213449	67.5813	77.2545
FBgn02508	5740782	whip	-0.13377	0.133773	1	-0.252067	58.8142	48.6822
FBgn00383	41900	CG5399	-0.13368	0.133681	1	-0.163583	496.813	437.299
FBgn00385	42159	CG7794	-0.13362	0.133624	1	-0.219256	61.6269	52.1878
FBgn00019	49424	CIAPIN1	0.133617	0.133617	1	0.215453	38.0071	43.5076
FBgn00046	31293	N	0.133608	0.133608	1	0.323418	1.57799	1.94718
FBgn00525	32430	be	0.133601	0.133601	1	0.264174	8.06702	9.55232
FBgn00342	37025	CG5002	0.133546	0.133546	1	0.225814	35.1549	40.5331
FBgn02604	8674063	CG42529	-0.13346	0.133456	1	-0.221942	63.5072	53.6798
FBgn00367	39981	Cln3	-0.13321	0.133214	1	-0.259258	27.0815	22.3041
FBgn00312	33192	CG3345	-0.13312	0.133124	1	-0.185013	106.314	92.1972
FBgn00270	39644	GlyRS	0.133045	0.133045	1	0.232702	23.6001	27.341

FBgn02673	41682	Ubc87F	-0.13294	0.132943	1	-0.230313	112.28	94.3542
FBgn00318	33918	COX5B	-0.13289	0.132885	1	-0.231893	98.372	82.5761
FBgn00396	43476	Trc8	-0.13287	0.132869	1	-0.221095	24.1952	20.4632
FBgn02656	19834849	CR44485	-0.13285	0.13285	1	-1.74367	0.866699	0.227817
FBgn00461	248194	Gclm	-0.13272	0.132722	1	-0.247261	35.7883	29.7222
FBgn00316	33748	Cyp28d2	0.132507	0.132507	1	0.386927	5.20231	6.71059
FBgn00392	43000	CG11791	0.132491	0.132491	1	0.201135	50.5415	57.2842
FBgn00136	19893539	mt:ATPase(	0.132435	0.132435	1	0.147122	4221.86	4609.19
FBgn02675	26067173	pre-rRNA:C	0.132433	0.132433	1	0.178079	42.5303	47.4396
FBgn00320	34137	Ostgamma	0.132417	0.132417	1	0.219989	62.7602	72.0698
FBgn00235	31215	CG2918	0.132356	0.132356	1	0.179394	76.7185	85.6521
FBgn00297	31445	CG4198	-0.13229	0.132287	1	-0.245076	29.7279	24.7265
FBgn00839	4379852	CG34107	-0.13227	0.132265	1	-0.210254	187.774	160.011
FBgn02635	39737	l(3)72Ab	0.132203	0.132203	1	0.206607	16.2146	18.4477
FBgn00512	318645	CG31251	-0.13216	0.132164	1	-0.488809	5.66625	3.97175
FBgn00517	318922	CG31735	-0.13202	0.132024	1	-0.22923	53.1287	44.6802
FBgn00852	5740630	CG34204	-0.13183	0.131827	1	-0.324252	40.2795	31.703
FBgn00378	41324	CG6629	-0.13178	0.131776	1	-0.227779	77.4794	65.2245
FBgn00115	47283	SrpRbeta	0.131687	0.131687	1	0.263813	29.7665	35.2384
FBgn00372	40558	CG14647	-0.1316	0.131604	1	-0.293291	23.298	18.7382
FBgn02608	33530	gkt	0.131467	0.131467	1	0.388289	3.84359	4.9627
FBgn00512	42557	CG31233	0.131223	0.131223	1	0.184455	70.0028	78.4292
FBgn00524	38663	QC	0.131156	0.131156	1	0.27998	23.2006	27.776
FBgn00313	33301	CG14341	0.130951	0.130951	1	0.372216	15.0655	19.2345
FBgn00209	32338	Rtc1	0.130941	0.130941	1	0.378014	7.11729	9.12377
FBgn02643	19835787	CG43784	0.130861	0.130861	1	0.336562	21.1694	26.363
FBgn00325	34741	CG16826	0.130788	0.130788	1	0.150078	1322.75	1447.07
FBgn02614	37228	SdhA	-0.13061	0.130612	1	-0.177104	116.07	101.211
FBgn00370	40391	Wnk	0.13052	0.13052	1	0.184763	24.9593	27.9697
FBgn00614	38698	loj	0.130484	0.130484	1	0.261847	29.0094	34.2952
FBgn00160	38610	lama	0.13018	0.13018	1	0.197191	33.2497	37.5826
FBgn00243	34358	Npc1a	0.130084	0.130084	1	0.182919	41.8383	46.8245
FBgn00379	41476	CG3809	-0.13002	0.130024	1	-0.204103	88.9148	76.0928
FBgn00010	33839	Gal	-0.12998	0.129975	1	-0.255741	19.1029	15.7715

FBgn00328	35296	CG10721	-0.12993	0.129927	1	-0.317656	12.7303	10.0659
FBgn00305	32381	CG1461	0.12991	0.12991	1	0.211153	36.296	41.4252
FBgn00387	42322	CG5316	-0.1299	0.129899	1	-0.239997	21.5906	18.0218
FBgn00297	31407	CG7024	-0.12985	0.129847	1	-0.24134	30.2052	25.1889
FBgn00120	40348	AcCoAS	0.129771	0.129771	1	0.165055	136.125	150.473
FBgn00398	43703	pHCl-2	-0.12963	0.129631	1	-0.32575	4.94177	3.88543
FBgn00227	39396	Adk1	0.129608	0.129608	1	0.21568	63.9815	73.2529
FBgn00371	40430	CG7407	-0.12958	0.129584	1	-0.37794	11.3983	8.63996
FBgn02663	19835723	CG45011	-0.12958	0.12958	1	-0.344308	38.4028	29.8042
FBgn00410	39270	scyl	0.129554	0.129554	1	0.17728	85.4848	95.2994
FBgn00275	34546	CG6230	-0.12947	0.129468	1	-0.174982	76.9163	67.169
FBgn00312	33179	ND-15	-0.12936	0.129362	1	-0.220053	74.992	63.4703
FBgn02651	36795	CG44243	0.129288	0.129288	1	0.17348	135.153	150.274
FBgn00384	42027	Arl6IP1	0.129142	0.129142	1	0.224555	50.7782	58.4956
FBgn00101	40972	RpA-70	0.129128	0.129128	1	0.212242	40.7396	46.5319
FBgn00205	35042	CLIP-190	0.128785	0.128785	1	0.162207	67.4691	74.4333
FBgn00863	43481	alph	-0.12876	0.128758	1	-0.188733	61.1498	52.8931
FBgn00204	34979	Idgf2	0.128579	0.128579	1	0.194959	76.3907	86.2119
FBgn00305	32321	NFAT	0.12853	0.12853	1	0.206712	9.78646	11.1351
FBgn00340	36792	CG8441	-0.12851	0.128514	1	-0.346806	16.2821	12.6143
FBgn00300	31804	CG11284	0.12851	0.12851	1	0.228861	23.3234	26.9486
FBgn02674	26067146	asRNA:CR4	-0.12837	0.128365	1	-0.374875	28.9348	21.9797
FBgn00333	35867	CG8746	-0.12826	0.128257	1	-0.214298	82.713	70.2855
FBgn00356	38612	Cyt-c1	-0.12817	0.128169	1	-0.189136	122.524	105.951
FBgn00851	5740392	CG34162	-0.12809	0.128085	1	-0.391099	6.27891	4.71557
FBgn00500	246451	COX6AL	-0.12798	0.127977	1	-0.348119	27.9096	21.6025
FBgn02669	19836017	CR45394	0.127848	0.127848	1	1.29928	0.934675	2.37495
FBgn00395	43394	CG10000	0.127828	0.127828	1	0.388468	3.19074	4.12036
FBgn00231	35998	Uba1	0.127807	0.127807	1	0.16841	85.2317	94.4347
FBgn00037	37455	Egfr	0.127687	0.127687	1	0.205632	14.2695	16.2238
FBgn00307	32642	CG13012	-0.12753	0.127534	1	-0.425122	6.22474	4.56417
FBgn00433	33224	cbt	0.127387	0.127387	1	0.202051	33.3542	37.8281
FBgn02670	19834897	asRNA:CR4	-0.12737	0.127368	1	-0.420428	7.52244	5.53396
FBgn00854	37398	CG34396	0.12727	0.12727	1	0.33642	2.96939	3.69756

FBgn00012	38513	ImpL2	0.127253	0.127253	1	0.18197	76.0589	85.0676
FBgn00288	34955	CG4935	-0.12719	0.127192	1	-0.3719	11.3486	8.63867
FBgn00378	41349	CG17726	-0.12711	0.12711	1	-0.455532	4.97321	3.56897
FBgn02615	40722	CG42675	-0.12705	0.127051	1	-0.229244	24.503	20.6062
FBgn00323	34509	CG7309	-0.12702	0.127023	1	-0.195126	71.5026	61.5741
FBgn00243	33202	Stip1	0.126989	0.126989	1	0.199824	56.2317	63.6758
FBgn00347	37545	Oatp58Dc	0.126974	0.126974	1	0.204744	31.741	36.0658
FBgn02629	42743	cnc	0.126893	0.126893	1	0.175911	27.5975	30.7369
FBgn00167	38075	Reg-2	0.126717	0.126717	1	0.273492	30.8927	36.8188
FBgn00323	34585	CG4983	-0.12669	0.126691	1	-0.179399	149.164	129.862
FBgn00366	39907	Fit2	0.126675	0.126675	1	0.356486	3.86701	4.88323
FBgn02636	14462509	CR43655	0.126543	0.126543	1	0.662689	3.31783	5.20498
FBgn00852	5740264	CG34175	-0.12652	0.126516	1	-0.395725	15.4574	11.5709
FBgn00386	42279	CG6005	0.126465	0.126465	1	0.335007	9.07152	11.285
FBgn00347	37533	CG11170	-0.12636	0.126358	1	-0.499397	4.5018	3.13163
FBgn00512	318627	CG31206	-0.12635	0.126353	1	-0.206698	126.104	107.724
FBgn00288	34823	CG18095	-0.12635	0.126345	1	-0.273026	16.266	13.2684
FBgn00350	37944	CG3663	-0.12633	0.126326	1	-0.359211	17.3256	13.3064
FBgn00345	37301	CG11200	0.126302	0.126302	1	0.278717	14.9576	17.8918
FBgn00524	318018	CG32413	-0.12628	0.126283	1	-0.47327	6.33744	4.49115
FBgn00518	318993	CG31870	-0.12626	0.126263	1	-0.195356	120.664	103.893
FBgn02620	10178840	CG42837	0.126207	0.126207	1	0.170617	145.087	161
FBgn00341	36833	CG6262	-0.12617	0.126165	1	-0.17331	87.1654	76.2073
FBgn00526	3771836	CR32660	0.126009	0.126009	1	0.275191	59.7024	71.2392
FBgn00388	42470	RpS30	-0.12596	0.125957	1	-0.169886	576.032	504.814
FBgn02658	19834719	CR44611	-0.12589	0.125893	1	-0.515976	10.0214	6.88939
FBgn00410	33314	robo3	-0.12581	0.125807	1	-0.34419	2.06308	1.60124
FBgn02655	19835673	asRNA:CR4	0.125717	0.125717	1	0.29396	35.4032	42.7998
FBgn00392	42999	CG11790	0.125564	0.125564	1	0.231502	46.3928	53.7023
FBgn00006	31364	Fas2	0.125485	0.125485	1	0.20105	14.459	16.387
FBgn00440	2768992	Ilp5	-0.1254	0.125401	1	-0.858257	3.31585	1.77376
FBgn00302	31990	CG1628	-0.12539	0.125387	1	-0.394154	5.05699	3.78965
FBgn00357	38771	CG8641	-0.12533	0.125327	1	-0.419753	2.64094	1.94373
FBgn02637	14462789	CR43671	-0.12529	0.125294	1	-0.69858	1.5026	0.90532

FBgn00524	318053	CG32495	-0.1251	0.125099	1	-0.259555	13.8249	11.3835
FBgn00531	39834	CG33158	0.125043	0.125043	1	0.246943	11.6211	13.5972
FBgn02644	42596	how	0.125039	0.125039	1	0.197741	22.4651	25.4023
FBgn00307	32612	AnxB11	0.124973	0.124973	1	0.206052	30.7779	35.0033
FBgn00392	42924	CG13618	0.124865	0.124865	1	0.187985	148.974	167.315
FBgn00863	43330	ALiX	0.124836	0.124836	1	0.183976	59.9976	67.1975
FBgn00326	35103	grnd	0.124685	0.124685	1	0.2682	13.612	16.1636
FBgn00339	36649	CG10202	-0.12467	0.124673	1	-0.215267	41.352	35.115
FBgn00000	48632	Act87E	-0.12466	0.124657	1	-0.173132	147.379	128.867
FBgn00348	37652	CG9896	-0.12458	0.124583	1	-0.208965	47.9368	40.8853
FBgn00392	42928	CG5789	0.12444	0.12444	1	0.213984	14.1744	16.2093
FBgn00374	40811	sunz	-0.12438	0.124376	1	-0.259206	42.359	34.887
FBgn00102	34149	RpS13	0.124238	0.124238	1	0.162226	471.382	520.046
FBgn00315	33609	CG3964	-0.12408	0.124076	1	-0.174182	73.0385	63.8177
FBgn00375	40964	CG18249	0.124023	0.124023	1	0.317068	7.59475	9.3305
FBgn00533	2768664	CG33325	-0.12401	0.124006	1	-0.42242	8.70216	6.39265
FBgn00463	35162	CG10650	0.123945	0.123945	1	0.179646	109.808	122.616
FBgn00045	36428	Mdr49	-0.12379	0.123787	1	-0.221231	16.775	14.186
FBgn00273	43924	jim	0.123664	0.123664	1	0.189691	9.73455	10.946
FBgn00358	38878	eIF4E5	-0.12353	0.123532	1	-0.188977	158.525	137.096
FBgn02648	34594	Pde1c	-0.12347	0.123471	1	-0.227699	8.10676	6.82479
FBgn00348	37692	CG9861	-0.12333	0.123332	1	-0.180542	74.0858	64.4476
FBgn00379	3772221	sea	-0.12316	0.123156	1	-0.179322	112.268	97.745
FBgn00175	32020	Ork1	-0.1231	0.123099	1	-0.341569	3.40603	2.64838
FBgn00528	318237	CG32832	-0.12293	0.122928	1	-0.223466	89.7951	75.818
FBgn00048	34309	RpS2	-0.12281	0.122809	1	-0.167583	283.89	249.188
FBgn00381	41679	Adgf-D	0.122806	0.122806	1	0.243847	25.1345	29.3453
FBgn00384	41997	CG14883	0.122783	0.122783	1	0.270685	14.6295	17.4019
FBgn02679	45320	FBgn02679	0.122707	0.122707	1	0.179265	9.36848	10.4585
FBgn00362	39344	Sprn	-0.12265	0.122652	1	-0.195318	66.4854	57.2456
FBgn00312	33277	IA-2	-0.12259	0.122586	1	-0.154472	65.633	58.1367
FBgn00328	35291	CG10730	0.122506	0.122506	1	0.272236	13.1108	15.6123
FBgn02640	44484	GluRIB	-0.12247	0.122472	1	-0.381705	1.52847	1.15546
FBgn00029	34012	ninaC	-0.12246	0.122463	1	-0.163357	75.6647	66.6107

FBgn00112	49529	ms(2)35Ci	-0.12226	0.122261	1	-0.25189	28.2735	23.4049
FBgn00389	42658	sit	-0.12208	0.122083	1	-0.298187	13.4512	10.7812
FBgn00332	35715	LRR	0.122039	0.122039	1	0.188539	18.9702	21.3141
FBgn00386	42233	CG14305	-0.12203	0.122032	1	-0.178278	155.021	135.066
FBgn00037	45368	Treh	-0.12195	0.121945	1	-0.159393	111.888	98.7711
FBgn00402	34552	hgo	0.121841	0.121841	1	0.258131	22.0143	25.9588
FBgn00315	33577	CG8852	-0.12182	0.121816	1	-0.279546	11.9668	9.71705
FBgn02615	10178926	CG42682	-0.12168	0.121683	1	-0.369957	17.8311	13.5913
FBgn00003	44510	cv	0.121678	0.121678	1	0.273964	12.3389	14.7108
FBgn02667	19834913	asRNA:CR4	0.121637	0.121637	1	0.279505	17.2973	20.702
FBgn00313	33291	CG4577	-0.12149	0.121493	1	-0.201712	39.9277	34.2263
FBgn00025	32199	Lsp1alpha	-0.12144	0.121438	1	-0.639686	1.13345	0.712814
FBgn00504	246610	CG30430	-0.12124	0.121235	1	-0.192884	271.254	233.951
FBgn00275	42726	Ublcp1	0.121233	0.121233	1	0.269024	22.4165	26.6339
FBgn00001	34648	bru1	-0.12112	0.121121	1	-0.169923	37.079	32.4938
FBgn00338	36501	CG13330	-0.12071	0.120712	1	-0.21725	35.2382	29.8819
FBgn00000	40444	Act79B	-0.12065	0.120652	1	-0.197624	72.4105	62.2472
FBgn02621	10178841	CR42859	0.120576	0.120576	1	0.356519	4.86351	6.14189
FBgn00222	35016	Cse1	0.120491	0.120491	1	0.215591	20.4963	23.4651
FBgn02643	14462781	CR43825	-0.12036	0.12036	1	-1.06763	2.0213	0.919026
FBgn02674	26067165	28SrRNA:C	0.120315	0.120315	1	0.192073	43.282	48.7491
FBgn00316	33758	Bub1	0.120172	0.120172	1	0.246785	8.64935	10.119
FBgn00384	42006	Cad89D	-0.12007	0.120074	1	-1.01679	0.160778	0.076071
FBgn00261	40327	siz	0.120019	0.120019	1	0.193738	16.0349	18.0811
FBgn00516	35393	CG31624	-0.12001	0.120012	1	-0.192828	113.717	98.0821
FBgn00502	37384	RIC-3	0.120004	0.120004	1	0.205712	27.9012	31.7243
FBgn00378	41317	CG14696	0.119702	0.119702	1	0.29465	11.6002	14.0307
FBgn00335	36123	Elp2	-0.11966	0.119664	1	-0.285988	10.1892	8.23645
FBgn00376	41120	RpL34b	-0.11964	0.119642	1	-0.248899	45.6244	37.8466
FBgn02597	36847	loopin-1	-0.11961	0.119608	1	-0.14653	439.173	391.161
FBgn00315	33575	CG8851	-0.11952	0.11952	1	-0.189375	55.7223	48.1765
FBgn00400	3355111	FASN3	-0.11946	0.119462	1	-0.149907	99.6938	88.5872
FBgn00502	246523	CG30278	-0.1194	0.119404	1	-0.214304	66.6259	56.6143
FBgn00467	50050	CG17278	0.119305	0.119305	1	0.255479	16.4913	19.4104

FBgn00537	3772359	CG33704	-0.11931	0.119305	1	-0.237703	69.4588	58.0686
FBgn00312	33200	CG11562	-0.11922	0.119216	1	-0.215365	101.041	85.7943
FBgn00375	40995	COX7AL	-0.11914	0.119139	1	-0.210416	142.633	121.528
FBgn00349	37780	Pym	0.119087	0.119087	1	0.483293	4.15826	5.74023
FBgn00367	40029	CG13380	-0.11905	0.119046	1	-0.260552	10.3342	8.50315
FBgn00258	46813	CG6421	0.119025	0.119025	1	0.290514	33.0898	39.9078
FBgn00371	40438	DNApol-eta	0.119016	0.119016	1	0.375959	2.79244	3.57473
FBgn00351	38138	CG9129	-0.11882	0.118819	1	-0.180031	170.126	148.045
FBgn00159	33282	ast	-0.11853	0.118526	1	-0.283543	9.56263	7.74315
FBgn00297	31457	NAAT1	0.118504	0.118504	1	0.190361	47.1873	53.0846
FBgn00358	38920	CG8006	-0.11842	0.11842	1	-0.227564	33.984	28.6123
FBgn00371	40474	CG11404	-0.1184	0.118399	1	-0.264418	41.3304	33.9158
FBgn00373	40653	PEK	0.118391	0.118391	1	0.210714	14.4711	16.5112
FBgn00517	318942	CG31788	-0.11827	0.118265	1	-0.198752	252.353	216.763
FBgn02629	19893551	mt:ND4	0.118251	0.118251	1	0.137128	1290.86	1399.56
FBgn00198	40838	dj	-0.1181	0.118097	1	-0.152456	478.687	424.606
FBgn02629	12798268	CR43259	-0.11809	0.118094	1	-0.687041	1.51032	0.917501
FBgn00311	33101	CG1722	-0.11807	0.118066	1	-0.253028	33.1166	27.3921
FBgn00155	36874	Acp53Ea	-0.11806	0.118057	1	-0.166966	613.943	539.126
FBgn00520	39180	dpr10	-0.11794	0.117942	1	-0.320688	4.96378	3.91634
FBgn02674	26067166	18SrRNA:C	0.117861	0.117861	1	0.182227	73.4679	82.1846
FBgn00285	34980	CG5888	0.117847	0.117847	1	0.319656	7.53126	9.26935
FBgn00303	32112	CG1703	0.117784	0.117784	1	0.197063	31.4154	35.5063
FBgn00514	318741	CG31446	0.117706	0.117706	1	0.414761	7.14038	9.39272
FBgn00012	39542	Hsc70-1	-0.11758	0.117582	1	-0.189894	48.7383	42.1229
FBgn00298	31513	CG15765	-0.11757	0.117574	1	-0.208945	19.0299	16.2307
FBgn00318	33950	LUBEL	0.117413	0.117413	1	0.211634	6.85935	7.83137
FBgn00351	38071	Ppm1	-0.11738	0.117381	1	-0.218206	48.378	40.9969
FBgn00316	33756	Cyp4ac3	-0.11732	0.117319	1	-0.300537	13.3319	10.6679
FBgn02435	40958	puc	0.117303	0.117303	1	0.209984	22.0716	25.1705
FBgn00347	37569	CG4752	0.117245	0.117245	1	0.224379	13.0437	15.0244
FBgn00333	35916	CG13742	-0.11721	0.117212	1	-0.20968	32.2741	27.5126
FBgn00004	33245	FBgn00004	0.117183	0.117183	1	0.334347	0.980066	1.21868
FBgn00357	38807	Rint1	0.117168	0.117168	1	0.261967	11.7545	13.8977

FBgn00313	33333	CG18132	-0.11715	0.117152	1	-0.28632	36.547	29.5357
FBgn02675	26067169	18SrRNA:C	0.116974	0.116974	1	0.183492	68.7568	76.9821
FBgn00300	31779	CG15347	0.116875	0.116875	1	0.192094	110.479	124.436
FBgn00317	33852	ND-51	-0.11687	0.116869	1	-0.162798	204.614	180.2
FBgn00379	41419	CG14722	0.11685	0.11685	1	0.223712	25.3939	29.2365
FBgn00029	42547	slou	-0.11668	0.116678	1	-0.974281	0.447821	0.219
FBgn00367	40023	CG4174	-0.11665	0.116652	1	-0.256913	10.4709	8.63748
FBgn00517	318905	CG31703	-0.11655	0.116552	1	-0.32143	9.98268	7.87202
FBgn00387	42345	CG6184	-0.11649	0.116494	1	-0.259964	9.46233	7.78891
FBgn02652	10178824	CG42688	-0.11649	0.116491	1	-0.174337	262.303	229.162
FBgn02620	19835287	CR42844	0.116414	0.116414	1	0.585432	4.6896	6.96107
FBgn00421	59232	CG16741	-0.11636	0.116359	1	-0.306817	36.1638	28.8105
FBgn02666	19836237	asRNA:CR4	0.116345	0.116345	1	0.598473	2.5051	3.75334
FBgn02633	326165	CG42784	-0.11633	0.116333	1	-0.224117	6.39174	5.39432
FBgn00321	34297	CG17633	-0.11626	0.11626	1	-0.20137	71.1025	60.9635
FBgn02599	35409	CG17571	0.115768	0.115768	1	0.250206	27.2066	31.9054
FBgn00175	37910	Prosalpha4	-0.11574	0.115739	1	-0.309713	15.2781	12.1469
FBgn00317	33815	CG9029	0.115521	0.115521	1	0.173592	321.932	357.978
FBgn00830	5740342	snoRNA:Psi	-0.11552	0.115517	1	-0.30499	147.416	117.591
FBgn00399	43798	ND-49	-0.11543	0.115427	1	-0.161225	205.276	180.98
FBgn00258	35671	Inos	-0.11542	0.115416	1	-0.183408	75.271	65.3479
FBgn00104	37999	emp	0.115333	0.115333	1	0.152362	127.064	139.226
FBgn00314	33410	CG4271	-0.11531	0.115311	1	-0.303303	26.6419	21.2768
FBgn00324	34710	CG5439	0.115252	0.115252	1	0.273106	12.8923	15.3616
FBgn00321	34253	CG13110	-0.11519	0.115185	1	-0.251731	71.97	59.5826
FBgn02657	19834958	CR44552	0.115172	0.115172	1	0.715764	3.22873	5.26534
FBgn00853	35738	Dgk	-0.11517	0.115169	1	-0.212566	10.5592	8.98326
FBgn00289	34771	CG16853	-0.11516	0.115162	1	-0.229468	39.3282	33.0676
FBgn00336	36297	CG18343	-0.11514	0.115139	1	-0.232228	81.3453	68.2649
FBgn00473	251937	CG31468	-0.11514	0.115136	1	-0.166725	266.995	234.497
FBgn02625	12798325	CG43103	0.115101	0.115101	1	0.260369	58.0362	68.542
FBgn02674	26067116	asRNA:CR4	-0.1151	0.115101	1	-0.499865	5.31009	3.69208
FBgn00108	43672	Chchd3	-0.11506	0.115058	1	-0.257492	37.1543	30.6361
FBgn00524	40362	CG32436	-0.11501	0.115011	1	-0.142008	172.877	154.461

FBgn00858	5740812	18SrRNA:Cl	0.114936	0.114936	1	0.175362	83.5591	93.0293
FBgn00636	261663	CG32335	-0.11486	0.11486	1	-0.648855	2.59562	1.62125
FBgn00199	36718	Khc-73	0.114833	0.114833	1	0.171919	20.377	22.6322
FBgn02674	26067046	Mst77Y-7	-0.1148	0.114798	1	-0.349685	20.0544	15.5042
FBgn00035	44870	sub	-0.11471	0.114713	1	-0.275793	11.1678	9.09184
FBgn02675	26067174	pre-rRNA:C	0.114687	0.114687	1	0.17782	36.4053	40.6004
FBgn00333	35923	Pmm45A	-0.11467	0.114672	1	-0.16103	130.633	115.187
FBgn00383	41922	CG4546	-0.11462	0.114615	1	-0.157171	213.294	188.578
FBgn02627	31555	dtn	0.114551	0.114551	1	0.22082	5.4922	6.3106
FBgn00318	33992	Nuf2	-0.11448	0.114475	1	-0.360026	9.41975	7.2298
FBgn00002	34969	cact	0.114457	0.114457	1	0.186676	34.9674	39.2371
FBgn00319	34018	CG5181	-0.11436	0.114361	1	-0.317631	14.4072	11.3912
FBgn00323	34618	Tom70	-0.11401	0.114014	1	-0.180366	64.3156	55.9547
FBgn00333	35910	PPO2	-0.11399	0.113994	1	-0.618821	1.36594	0.871966
FBgn00361	39309	RIOK1	0.113943	0.113943	1	0.328418	5.89956	7.30568
FBgn00261	33966	nop5	0.11394	0.11394	1	0.264821	14.2791	16.9162
FBgn00387	42335	CG7342	-0.11391	0.113911	1	-0.316168	8.06264	6.3813
FBgn00398	43661	CG15547	-0.11386	0.113855	1	-0.206198	51.0106	43.59
FBgn00315	33548	CG15408	0.113755	0.113755	1	0.244148	22.3163	26.0607
FBgn02679	26067563	CR46253	-0.11375	0.113746	1	-0.938194	1.26394	0.635576
FBgn00438	50070	mask	0.113722	0.113722	1	0.158797	20.5828	22.6539
FBgn00155	40909	alpha-Est1	-0.11358	0.113575	1	-0.248272	18.3369	15.2173
FBgn00319	34022	CG5958	0.113571	0.113571	1	0.216647	48.0812	55.0862
FBgn00379	41465	ssp5	-0.11347	0.113466	1	-0.156718	153.531	135.783
FBgn00359	38969	CG6745	0.113386	0.113386	1	0.324965	4.64782	5.74175
FBgn00331	35672	CG11141	0.113385	0.113385	1	0.206403	19.8834	22.6188
FBgn00325	34742	CG9395	-0.11331	0.113309	1	-0.30352	4.74391	3.78798
FBgn00038	48317	ttk	0.113253	0.113253	1	0.195219	11.9034	13.4363
FBgn02604	318037	CG32454	-0.11323	0.11323	1	-0.264922	16.8203	13.7977
FBgn00032	49241	rec	-0.11315	0.113147	1	-0.29253	5.39169	4.33841
FBgn02672	19835811	asRNA:CR4	-0.11313	0.11313	1	-0.471951	5.55608	3.94045
FBgn00316	33672	Taf12L	0.113116	0.113116	1	0.392394	12.186	15.7808
FBgn02626	45922	fzr	-0.11295	0.112948	1	-0.25042	13.4098	11.1118
FBgn00255	44254	bab2	-0.11289	0.112887	1	-0.226337	10.5794	8.91461

FBgn00854	5740462	CG34398	0.112881	0.112881	1	0.205166	8.08508	9.18948
FBgn00869	40304	Mst77F	-0.11282	0.112817	1	-0.151243	434.618	385.84
FBgn00299	31671	CG1999	-0.1128	0.112796	1	-0.193188	98.3298	84.7886
FBgn00413	117353	Pcyt1	0.112772	0.112772	1	0.181337	39.6652	44.344
FBgn00332	35779	CG11210	0.112732	0.112732	1	0.203419	25.5922	29.0527
FBgn00341	36859	CG5089	-0.11261	0.112613	1	-0.139961	547.008	489.43
FBgn02635	36150	nclb	0.112598	0.112598	1	0.308049	9.80142	11.9664
FBgn00284	34578	Mst33A	-0.11259	0.112588	1	-0.16393	194.045	170.757
FBgn00514	42084	CG31418	-0.11255	0.11255	1	-0.26136	44.6767	36.7393
FBgn00352	38148	CG2277	-0.11235	0.112345	1	-0.192395	42.105	36.3266
FBgn00002	40048	Cat	0.112279	0.112279	1	0.14564	277.298	302.428
FBgn00370	40319	CG12983	-0.11212	0.112124	1	-0.161354	76.5584	67.4908
FBgn00283	31964	l(1)G0289	0.112098	0.112098	1	0.17098	50.3353	55.8699
FBgn00359	38997	CG6511	0.112077	0.112077	1	0.238767	8.24059	9.58734
FBgn00409	50470	CG12617	-0.11207	0.112071	1	-0.233977	46.2808	38.7913
FBgn00155	44642	Apc	0.112016	0.112016	1	0.194315	10.4937	11.8376
FBgn00359	39003	CG6576	-0.11183	0.111826	1	-0.244412	34.033	28.319
FBgn02667	19835477	CR45203	-0.11182	0.111821	1	-0.445587	11.0409	7.97794
FBgn00355	38539	DopEcR	-0.11179	0.111794	1	-0.198307	21.6245	18.5803
FBgn02675	26067224	asRNA:CR4	0.11179	0.11179	1	0.237477	15.6146	18.1501
FBgn00346	37515	CG2921	-0.11178	0.111776	1	-0.179003	95.5906	83.2426
FBgn00329	35372	CG9259	-0.11172	0.11172	1	-0.199758	57.2468	49.1382
FBgn00222	44703	lolal	0.111664	0.111664	1	0.186311	45.2986	50.817
FBgn00335	36092	CG12902	-0.11162	0.111617	1	-0.161627	261.945	230.876
FBgn02632	12798394	CG43397	-0.11162	0.111617	1	-0.161627	261.945	230.876
FBgn00273	36383	Amph	0.111608	0.111608	1	0.171998	52.1341	57.9074
FBgn02608	43590	Bet5	-0.1116	0.111597	1	-0.366598	10.7416	8.20625
FBgn00375	40950	CG2747	0.111333	0.111333	1	0.176444	19.2166	21.4106
FBgn00267	31451	XRCC1	0.111292	0.111292	1	0.278094	9.089	10.8676
FBgn00112	40737	Obp83a	-0.1112	0.111196	1	-0.513252	4.82244	3.32098
FBgn02607	39255	NaPi-III	0.111167	0.111167	1	0.180259	34.2586	38.2711
FBgn00351	38120	CG13912	0.111068	0.111068	1	0.309392	18.0165	22.0167
FBgn00345	37349	CG13442	-0.1109	0.110902	1	-0.209711	43.7277	37.2752
FBgn00313	33385	CG4259	0.110868	0.110868	1	0.325222	6.71707	8.2996

FBgn00375	40979	CG9626	0.110833	0.110833	1	0.231312	7.37848	8.54
FBgn00116	35305	La	0.110826	0.110826	1	0.21338	36.854	42.1278
FBgn02652	34461	CG17097	-0.11081	0.110809	1	-0.130232	530.17	477.576
FBgn00261	39217	tna	-0.1107	0.110701	1	-0.194169	14.7456	12.7063
FBgn02629	12798328	CG43272	-0.1106	0.110597	1	-0.240997	93.7371	78.1845
FBgn00000	45821	Abl	-0.1106	0.110595	1	-0.217638	4.75916	4.03459
FBgn00371	40445	CG7140	-0.11059	0.11059	1	-0.195114	46.3266	39.8933
FBgn00352	38221	Gk2	-0.11054	0.110538	1	-0.22312	19.4275	16.407
FBgn00388	42431	CG5191	0.110424	0.110424	1	0.23743	11.0975	12.8992
FBgn00202	38736	sfl	0.110413	0.110413	1	0.218494	8.88828	10.1963
FBgn00385	42164	CG14315	0.110388	0.110388	1	0.538459	3.75082	5.38467
FBgn00274	42466	AdSS	-0.11037	0.110374	1	-0.186839	60.6443	52.5238
FBgn02670	19835958	asRNA:CR4	0.110261	0.110261	1	0.396025	5.19926	6.75029
FBgn00375	40898	Mics1	-0.11024	0.110243	1	-0.195827	66.4355	57.1814
FBgn00303	32188	CG2577	-0.11017	0.110166	1	-0.280477	18.489	15.0027
FBgn00105	46038	Phb2	-0.11014	0.110141	1	-0.179751	75.3972	65.6235
FBgn00350	37988	CG2811	0.110118	0.110118	1	0.293862	23.9832	28.9929
FBgn00258	31250	CG2652	-0.11008	0.110078	1	-0.587549	3.64484	2.37972
FBgn00337	36348	Cpr49Ac	0.11006	0.11006	1	0.728069	0.604205	0.994345
FBgn02650	14462483	CG44158	-0.11006	0.110058	1	-0.369347	21.6825	16.5325
FBgn00314	33459	CG9961	-0.11	0.110002	1	-0.224076	37.3844	31.5511
FBgn00661	2768687	LpR1	-0.11	0.109999	1	-0.16804	30.7389	26.9726
FBgn00522	317930	CG32232	0.109893	0.109893	1	0.261034	8.82251	10.4245
FBgn00298	31613	RpL17	-0.10986	0.109864	1	-0.196625	82.4009	70.8835
FBgn00169	38824	smid	0.109802	0.109802	1	0.198048	22.8957	25.8949
FBgn00863	31024	tw	-0.10976	0.109764	1	-0.325643	5.4732	4.30312
FBgn00462	36944	CG12699	-0.10967	0.109668	1	-0.138786	1047.72	938.202
FBgn00141	42066	cher	0.109604	0.109604	1	0.167483	19.3242	21.3971
FBgn02597	317969	CG42355	-0.1096	0.109602	1	-0.200376	113.662	97.5207
FBgn02670	19835118	CR45506	0.109494	0.109494	1	0.805551	1.24613	2.17121
FBgn00372	40619	dpr16	-0.10948	0.109481	1	-0.462785	2.07455	1.48084
FBgn00305	32420	CG9509	0.109438	0.109438	1	0.181196	39.5824	44.2472
FBgn00104	39108	RpS9	-0.10937	0.109373	1	-0.162627	237.64	209.308
FBgn00046	44885	mys	0.109314	0.109314	1	0.160638	51.8225	57.1097

FBgn00527	31430	CG32767	0.109299	0.109299	1	0.197182	6.721	7.59687
FBgn00540	3885633	CG34025	-0.10923	0.10923	1	-0.445017	5.55206	4.01333
FBgn00230	39493	caps	0.109195	0.109195	1	0.179679	25.2677	28.2159
FBgn00305	32322	Lig4	0.109179	0.109179	1	0.269982	7.48217	8.89598
FBgn00513	326133	CG31343	0.109113	0.109113	1	0.156224	91.8987	100.965
FBgn00283	41547	Hug	-0.10911	0.109113	1	-0.477915	5.41057	3.82084
FBgn00503	246576	CG30376	-0.10908	0.109075	1	-0.187607	119.234	103.213
FBgn00854	5740816	DIP-delta	-0.10907	0.109073	1	-0.367969	2.28008	1.7402
FBgn00160	33759	vri	-0.10899	0.10899	1	-0.194513	20.0085	17.2371
FBgn00397	43562	CG7920	-0.10896	0.108963	1	-0.161507	130.05	114.635
FBgn00461	33275	GluRIIC	0.108959	0.108959	1	0.314391	4.56346	5.5962
FBgn00374	40805	CG1138	0.108932	0.108932	1	0.22583	31.2874	36.0751
FBgn00345	37408	CG15657	-0.10891	0.108914	1	-0.291468	34.8371	28.0519
FBgn00501	246484	CG30151	-0.10878	0.108783	1	-0.284982	23.9333	19.3593
FBgn02629	12797933	CR43306	-0.10876	0.108761	1	-0.362645	18.3138	14.0298
FBgn00512	42032	modSP	0.108729	0.108729	1	0.229011	18.0275	20.8321
FBgn00514	40978	CG31463	-0.10868	0.108677	1	-0.504408	3.8384	2.65995
FBgn00527	318213	ppk8	-0.10859	0.108594	1	-0.570132	1.77232	1.17172
FBgn00304	32310	CG11816	-0.10856	0.108561	1	-0.755164	0.963527	0.556478
FBgn02663	19836149	CR45020	-0.10856	0.108561	1	-0.755164	4.93567	2.85056
FBgn00315	33597	CG2818	-0.10854	0.108537	1	-0.226894	17.2831	14.5577
FBgn00152	43149	Nf1	0.108485	0.108485	1	0.1812	11.4139	12.759
FBgn00395	43397	intr	-0.10843	0.108429	1	-0.281005	25.4992	20.6833
FBgn00295	30991	CG18273	0.108413	0.108413	1	0.235463	8.49824	9.86446
FBgn00333	35882	FBgn00333	0.10833	0.10833	1	0.202129	35.985	40.8144
FBgn00519	319027	CG31921	-0.10832	0.108315	1	-0.157804	115.272	101.87
FBgn00166	41701	Ipp	-0.10817	0.108173	1	-0.255425	23.2845	19.2269
FBgn00038	37417	tud	0.108048	0.108048	1	0.140387	66.7169	72.4986
FBgn00327	35219	CG13085	0.108046	0.108046	1	0.370367	5.74372	7.32443
FBgn02675	26067253	asRNA:CR4	0.107952	0.107952	1	0.286295	52.5147	63.1509
FBgn00106	44154	Hmgs	0.107797	0.107797	1	0.17775	44.4607	49.5818
FBgn00342	37043	Mapmodul	0.107756	0.107756	1	0.17283	57.0807	63.4386
FBgn00378	41316	Tpc1	0.107711	0.107711	1	0.277573	9.40611	11.2427
FBgn00354	38413	PHGPx	0.107687	0.107687	1	0.168105	122.991	136.243

FBgn00166	36651	NaPi-T	0.107563	0.107563	1	0.18672	36.3681	40.8102
FBgn00326	35100	FBgn00326	0.10746	0.10746	1	0.184829	22.7344	25.4778
FBgn00324	34730	CG16820	0.10743	0.10743	1	0.238886	21.8707	25.4473
FBgn00048	42752	orb	-0.10731	0.107312	1	-0.152161	35.5829	31.5691
FBgn02834	37834	Adk2	0.107243	0.107243	1	0.21885	45.1694	51.8296
FBgn02661	19835647	asRNA:CR4	0.107225	0.107225	1	0.361151	2.83066	3.5865
FBgn00397	43622	Jon99Fi	-0.10721	0.107209	1	-0.267063	29.8034	24.4108
FBgn00332	35797	CG14757	-0.10711	0.10711	1	-0.202718	102.948	88.1843
FBgn00152	42446	Pi3K92E	0.106942	0.106942	1	0.196054	15.722	17.757
FBgn02628	12798144	CG43207	-0.10693	0.106927	1	-0.626266	6.47802	4.11239
FBgn00343	37166	CG15093	-0.10689	0.106889	1	-0.268064	20.8868	17.0955
FBgn00291	45269	Prosbeta5	0.106873	0.106873	1	0.182191	93.9662	105.113
FBgn00393	43100	CG5039	0.106839	0.106839	1	0.409506	8.4696	11.1009
FBgn00391	42831	CG5854	0.106828	0.106828	1	0.231767	24.4598	28.3194
FBgn00304	32241	CG4404	-0.10676	0.106756	1	-0.214371	35.5452	30.2019
FBgn00389	42589	CG6028	-0.10674	0.106737	1	-0.217961	51.7901	43.895
FBgn00300	31838	CCT2	0.106656	0.106656	1	0.191169	39.9466	44.9644
FBgn00315	33622	CG2955	0.106619	0.106619	1	0.152384	152.178	166.747
FBgn00391	42816	Nup98-96	0.106509	0.106509	1	0.174902	19.0089	21.1565
FBgn00379	41452	CG18547	-0.10641	0.106414	1	-0.235	37.5917	31.4855
FBgn00219	44228	ND-PDSW	-0.1063	0.106304	1	-0.256483	42.5388	35.0997
FBgn00397	43564	RpS28a	-0.10626	0.106264	1	-1.66205	2.37819	0.673209
FBgn00347	37632	CG13532	-0.10617	0.106167	1	-0.477702	2.87054	2.02735
FBgn00324	34715	CG16972	-0.10605	0.106045	1	-0.140732	96.2074	86.0345
FBgn00367	39988	CG7430	-0.10604	0.106039	1	-0.178145	58.8976	51.3197
FBgn02613	35696	scra	0.105907	0.105907	1	0.286034	4.05187	4.87166
FBgn00366	39803	CG13059	-0.10584	0.105838	1	-1.12956	1.65284	0.715579
FBgn00650	3772053	snoRNA:Psi	0.105756	0.105756	1	0.248846	131.576	154.156
FBgn00524	40273	CG32425	-0.10558	0.10558	1	-0.17184	36.4949	31.9389
FBgn00345	37323	Mgat1	0.105561	0.105561	1	0.209304	19.7957	22.5645
FBgn00393	43132	CG5913	0.105547	0.105547	1	0.256719	16.88	19.8854
FBgn00369	40190	CG7668	0.105512	0.105512	1	0.198002	40.6527	45.9768
FBgn02631	38643	DnaJ-1	0.105404	0.105404	1	0.16757	73.0743	80.9179
FBgn00526	26067086	CR32652	-0.10539	0.105387	1	-0.153131	337.781	299.477

FBgn00357	38735	Vps8	-0.10532	0.105318	1	-0.21406	15.1952	12.9137
FBgn00258	39165	CalpB	0.105284	0.105284	1	0.193896	18.0151	20.3164
FBgn00156	33883	Cpr	0.105229	0.105229	1	0.131431	269.252	290.774
FBgn00315	33578	Spindly	0.105204	0.105204	1	0.327989	4.55971	5.64496
FBgn00247	43980	Lip2	-0.10496	0.10496	1	-0.448876	2.77823	2.00268
FBgn02666	19836254	asRNA:CR4	-0.10489	0.104887	1	-0.192128	190.857	164.693
FBgn00112	46243	poe	0.104823	0.104823	1	0.138618	33.2887	36.1292
FBgn00027	43587	Mlc2	0.104771	0.104771	1	0.135454	286.812	310.603
FBgn00387	42369	CG4538	-0.10473	0.104726	1	-0.149862	81.0012	71.9787
FBgn00027	43764	mod	0.104678	0.104678	1	0.175114	53.6435	59.713
FBgn00046	43551	TkR99D	-0.10447	0.10447	1	-0.519096	1.55447	1.06591
FBgn02654	36945	mbl	0.104437	0.104437	1	0.160529	12.8827	14.196
FBgn02618	10178836	CR42786	0.104436	0.104436	1	1.36585	0.59975	1.60514
FBgn00324	34707	DnaJ-H	0.104368	0.104368	1	0.162028	82.3613	90.8518
FBgn00043	39068	Klp67A	0.104291	0.104291	1	0.240809	10.3351	12.0413
FBgn00382	41725	CG3199	-0.10426	0.104259	1	-0.207055	76.6298	65.4422
FBgn00112	35340	dia	0.104203	0.104203	1	0.185157	13.775	15.4408
FBgn00011	34992	her	0.104164	0.104164	1	0.27095	8.88688	10.5733
FBgn00308	32775	GSS	-0.10413	0.104132	1	-0.218928	18.6945	15.8339
FBgn00426	117361	FASN2	0.1041	0.1041	1	0.136884	70.3291	76.2385
FBgn00511	326123	CG31161	-0.1041	0.104096	1	-0.17428	83.9205	73.3194
FBgn00468	3771985	Pif1B	0.104062	0.104062	1	0.1237	174.53	187.474
FBgn00203	33263	drongo	-0.10396	0.103955	1	-0.178749	27.8757	24.2789
FBgn00354	38488	Fit1	0.103849	0.103849	1	0.166145	44.2808	48.9853
FBgn02610	8674049	Pif1A	0.10381	0.10381	1	0.123262	164.654	176.812
FBgn00377	41208	CG8526	-0.10377	0.10377	1	-0.159882	105.205	92.839
FBgn00027	36468	Mp20	-0.10377	0.103767	1	-0.172695	152.819	133.661
FBgn00371	40439	CG14562	0.103687	0.103687	1	0.217712	8.57258	9.82886
FBgn00398	43755	CG1971	-0.10365	0.103653	1	-0.208179	49.8908	42.5737
FBgn00382	41745	ATPsynE	-0.10364	0.103638	1	-0.21967	72.1426	61.0718
FBgn00349	37761	CG5532	0.10354	0.10354	1	0.340143	14.5559	18.174
FBgn00206	34070	Rack1	-0.1034	0.103397	1	-0.15105	177.712	157.787
FBgn00394	43242	CG5521	0.10334	0.10334	1	0.200059	8.32905	9.43332
FBgn00377	41157	CG9399	-0.10334	0.103336	1	-0.228424	31.7902	26.7483

FBgn00285	38324	CG12182	-0.10323	0.103229	1	-0.192154	24.1174	20.8108
FBgn00338	36549	CG18568	-0.1032	0.103195	1	-0.186191	66.478	57.6017
FBgn00386	42243	CG7705	-0.10309	0.103094	1	-0.242064	13.1231	10.9374
FBgn00148	33736	His3.3A	-0.10289	0.102893	1	-0.28759	20.9243	16.8941
FBgn00326	35081	CG5755	-0.10288	0.102877	1	-0.185739	64.8343	56.1951
FBgn00310	32924	CG8034	0.102828	0.102828	1	0.198152	15.0806	17.0574
FBgn00301	31958	CG2909	0.102827	0.102827	1	0.249175	13.7104	16.067
FBgn00381	41620	CG8508	-0.10276	0.102762	1	-0.21938	52.9499	44.8333
FBgn00274	43312	wdb	0.102665	0.102665	1	0.15252	32.2455	35.3359
FBgn00517	318934	CG31769	0.102524	0.102524	1	0.188156	76.0712	85.4481
FBgn00378	41371	CG18643	0.102484	0.102484	1	0.451464	8.53157	11.5174
FBgn00298	31615	CG14438	0.102434	0.102434	1	0.19555	6.37775	7.20075
FBgn00437	41135	phu	-0.10235	0.102353	1	-0.215254	29.4194	24.9814
FBgn00303	32110	CG2533	-0.10234	0.102339	1	-0.355262	14.8038	11.3992
FBgn00298	31600	CG3224	0.102312	0.102312	1	0.275697	22.938	27.3813
FBgn00867	39518	stv	0.102312	0.102312	1	0.181116	26.6473	29.7862
FBgn00504	246644	CG30485	-0.1023	0.102298	1	-0.217053	17.1035	14.5052
FBgn00381	41652	yellow-e2	-0.10226	0.102257	1	-0.728829	1.32749	0.781625
FBgn02592	33312	CG42329	-0.10223	0.102234	1	-0.278214	9.29506	7.55404
FBgn00304	32234	CG3775	0.102223	0.102223	1	0.215708	18.1089	20.7338
FBgn00531	42659	CG33110	0.10205	0.10205	1	0.218289	22.1205	25.3723
FBgn00516	33363	CG31663	-0.10201	0.102013	1	-0.204898	17.0873	14.6145
FBgn02644	14462909	CR43888	-0.10194	0.101936	1	-0.386467	27.1445	20.4482
FBgn00390	42780	CG10182	-0.1019	0.101897	1	-0.325908	6.52424	5.12828
FBgn00642	37104	Idgf5	0.101882	0.101882	1	0.224296	26.6906	30.7423
FBgn00350	38011	CG9380	-0.10179	0.101789	1	-0.146528	66.8809	59.5688
FBgn00139	41773	His4r	-0.10175	0.101754	1	-0.160743	247.465	218.245
FBgn02656	19835474	CR44496	-0.1017	0.101695	1	-0.458809	9.7736	6.99553
FBgn00350	37942	CG3640	-0.10151	0.101507	1	-0.201701	69.6563	59.7084
FBgn00864	35170	mib2	-0.10139	0.101392	1	-0.156614	51.4632	45.517
FBgn00384	41991	mRpS33	0.101367	0.101367	1	0.365682	16.5367	21.0193
FBgn02638	14462704	CR43714	-0.10119	0.101185	1	-0.796984	2.45936	1.37633
FBgn02599	8674037	CG42488	0.101132	0.101132	1	0.24597	13.1044	15.3227
FBgn00154	35939	Rme-8	0.101096	0.101096	1	0.17331	15.0287	16.7082

FBgn00103	41957	Akt1	0.101093	0.101093	1	0.164168	31.4125	34.7023
FBgn00363	39528	CG8757	-0.10108	0.101084	1	-0.51961	2.33943	1.60349
FBgn00335	36144	CG12325	0.101069	0.101069	1	0.304208	4.12614	5.02422
FBgn00393	43101	CG4743	0.101055	0.101055	1	0.338685	9.38023	11.7
FBgn00341	36921	CG8950	-0.10105	0.101053	1	-0.289459	6.20683	5.00477
FBgn00514	326137	CG31419	-0.10101	0.101014	1	-0.265386	33.9499	27.8389
FBgn00044	40464	Ten-m	0.101008	0.101008	1	0.171298	9.40957	10.4465
FBgn02592	42558	CG42335	-0.10092	0.100918	1	-0.249202	11.5279	9.56011
FBgn00029	42367	ninaE	-0.10089	0.100888	1	-0.114034	2457.12	2238.36
FBgn00389	42594	Fadd	-0.10085	0.100851	1	-0.39637	7.29235	5.45514
FBgn00516	261623	CG31683	0.100847	0.100847	1	0.203501	28.1489	31.9572
FBgn02607	31234	Pdfr	-0.1008	0.100798	1	-0.261616	5.87346	4.82891
FBgn02599	34893	l(2)35Cc	-0.10077	0.100768	1	-0.265581	25.8538	21.1972
FBgn00372	40513	CG12768	0.100745	0.100745	1	0.499047	1.28842	1.79883
FBgn00134	36681	igl	-0.10067	0.100673	1	-0.196146	26.2981	22.6295
FBgn00313	33377	CG4238	-0.10061	0.100606	1	-0.217727	10.913	9.25071
FBgn00360	39104	pall	0.100604	0.100604	1	0.287574	13.8572	16.6789
FBgn00251	34807	Acyp	-0.10058	0.100578	1	-0.364696	18.4402	14.1053
FBgn00518	34458	CG31872	0.100483	0.100483	1	0.126195	275.392	296.328
FBgn00389	42583	CG17843	-0.10044	0.10044	1	-0.169642	79.7586	69.9077
FBgn00397	43550	Vps13B	-0.10034	0.100336	1	-0.146022	28.4879	25.3822
FBgn00531	33721	Rtnl1	0.100278	0.100278	1	0.137914	89.9334	97.5597
FBgn00028	40367	sa	0.100274	0.100274	1	0.318523	12.6817	15.5969
FBgn02675	26067179	28SrRNA-P:	0.100266	0.100266	1	0.182894	51.6547	57.8105
FBgn00035	43571	Sry-alpha	-0.10024	0.100242	1	-0.445436	1.91276	1.38209
FBgn00035	43570	Sry-beta	-0.10024	0.100242	1	-0.445436	1.91276	1.38209
FBgn00514	326140	CG31445	0.100212	0.100212	1	0.18628	25.4066	28.5013
FBgn00202	40136	lush	-0.10006	0.100063	1	-0.477256	5.45339	3.85241
FBgn00352	38220	PIG-Wb	-0.10001	0.100011	1	-0.24502	15.2431	12.678
FBgn02508	37066	FBgn02508	-0.10001	0.100008	1	-0.253751	6.82324	5.64061
FBgn00534	2768970	CG33490	-0.09999	0.099988	1	-0.203012	37.5429	32.1518
FBgn00396	43506	IntS11	0.099976	0.099976	1	0.247481	13.3385	15.6128
FBgn00368	40064	CG6841	0.099967	0.099967	1	0.215892	13.1962	15.111
FBgn00340	36774	CG8414	0.099959	0.099959	1	0.258399	7.50858	8.85587

FBgn00376	41133	GstZ2	-0.09994	0.099935	1	-0.265541	11.1346	9.12934
FBgn00042	39054	Rdl	-0.09992	0.099916	1	-0.185897	10.3973	9.01085
FBgn00342	36994	CG6484	-0.09991	0.099907	1	-0.157057	131.828	116.56
FBgn00380	3772183	CG10096	0.09985	0.09985	1	0.125727	176.718	190.09
FBgn00380	3771756	CG10097	0.09985	0.09985	1	0.125727	176.718	190.09
FBgn00515	40663	NKCC	0.099845	0.099845	1	0.178243	24.9579	27.8422
FBgn00011	33373	Got2	-0.09982	0.099819	1	-0.164576	94.3884	83.0222
FBgn00346	37446	Acox57D-d	0.099747	0.099747	1	0.276153	8.37161	9.9965
FBgn00392	42973	CG11089	-0.09965	0.099653	1	-0.233994	17.0369	14.2792
FBgn00386	42206	CG15803	0.099609	0.099609	1	0.311668	2.4439	2.99136
FBgn00362	39336	CG5946	0.099604	0.099604	1	0.15308	79.2683	86.8992
FBgn00117	34966	Syx5	0.099584	0.099584	1	0.182372	47.5895	53.2416
FBgn00337	36365	CG8545	0.099546	0.099546	1	0.230863	11.7299	13.5723
FBgn00355	38514	CG14997	-0.09942	0.099421	1	-0.214671	30.7876	26.1536
FBgn02656	19834907	CG44477	-0.09927	0.099267	1	-0.467346	9.10281	6.47584
FBgn00520	317834	CG32039	0.099253	0.099253	1	0.357428	9.6897	12.2455
FBgn00384	42016	CG14892	-0.09916	0.099156	1	-0.417856	3.33679	2.45852
FBgn00523	2769001	zormin	0.099124	0.099124	1	0.145436	23.7294	25.8762
FBgn00011	39984	Grd	-0.09911	0.099107	1	-0.318646	3.68159	2.90857
FBgn02660	19834901	CR44794	-0.09904	0.099042	1	-0.977556	1.20642	0.587824
FBgn00105	46058	Prosbeta1	-0.09903	0.09903	1	-0.216806	59.1053	50.1344
FBgn00100	44317	CanB	-0.09893	0.098928	1	-0.278285	17.9594	14.5946
FBgn00139	39387	Nrx-IV	0.098924	0.098924	1	0.167483	25.2733	27.9844
FBgn02623	12798207	CG43064	0.0989	0.0989	1	0.219499	20.5805	23.6259
FBgn00024	41181	hyd	0.098782	0.098782	1	0.144716	32.1017	34.9885
FBgn00297	31463	SPR	0.098705	0.098705	1	0.248953	7.03738	8.24579
FBgn02617	41474	Cpn	0.098643	0.098643	1	0.205555	18.4598	20.9872
FBgn00309	32887	SdhBL	-0.09863	0.098634	1	-0.192906	40.005	34.5018
FBgn00319	34092	CG12560	0.098579	0.098579	1	0.315226	12.3802	15.1912
FBgn00297	31382	CHOp24	0.098522	0.098522	1	0.225972	31.3892	36.1964
FBgn00321	34300	IP3K1	-0.09849	0.098493	1	-0.15958	87.5569	77.2809
FBgn00516	35351	CG31676	0.098472	0.098472	1	0.28987	14.3931	17.3517
FBgn00169	42428	Stat92E	0.098413	0.098413	1	0.142303	61.3453	66.7501
FBgn00380	41533	CG5844	-0.0983	0.098301	1	-0.272422	17.3201	14.1328

FBgn00500	36233	CG30022	0.09826	0.09826	1	0.211886	34.3071	39.1761
FBgn00389	42615	Sar1	0.098183	0.098183	1	0.146869	142.894	155.976
FBgn00348	37672	CG3215	-0.09817	0.098172	1	-0.256774	23.2757	19.2008
FBgn00378	41354	CG17721	0.098139	0.098139	1	0.372628	8.53157	10.8972
FBgn00169	33288	Pino	0.098119	0.098119	1	0.135139	180.359	195.277
FBgn02656	19835429	CR44501	-0.09777	0.097766	1	-0.370139	4.93231	3.75836
FBgn00852	5740285	CG34173	-0.0976	0.097601	1	-0.3623	25.1934	19.3031
FBgn00504	246646	CG30487	-0.09757	0.097568	1	-0.194791	100.761	86.7858
FBgn00316	33760	CG14024	0.097517	0.097517	1	0.386098	2.58295	3.33046
FBgn00518	318960	CG31816	-0.09748	0.097483	1	-0.236249	71.729	60.0239
FBgn00521	39415	CG32103	0.097444	0.097444	1	0.165761	29.3275	32.4348
FBgn00011	39536	DCTN1-p15	0.097415	0.097415	1	0.183521	17.9857	20.1378
FBgn00854	37979	NKAIN	0.097407	0.097407	1	0.164401	23.0544	25.473
FBgn02677	34338	Pen	-0.09735	0.097345	1	-0.124183	364.669	329.872
FBgn00045	39871	Dbp73D	0.097279	0.097279	1	0.309863	5.803	7.09406
FBgn02709	42387	CG4836	-0.09725	0.097248	1	-0.111814	776.857	708.783
FBgn00295	31032	CG14635	-0.09721	0.097214	1	-0.705533	4.62467	2.76977
FBgn00391	42892	CG13611	-0.0972	0.097199	1	-0.2497	19.6155	16.2614
FBgn00381	41711	CCHa1	-0.0972	0.097198	1	-0.403773	9.21478	6.8571
FBgn00288	34826	nAChRalph	-0.09712	0.09712	1	-0.207757	6.0698	5.18103
FBgn00317	33865	WDR79	0.097106	0.097106	1	0.366028	4.54841	5.78286
FBgn00341	36933	CG15605	-0.0971	0.097101	1	-0.265621	40.7136	33.3791
FBgn02677	39561	Frl	0.09709	0.09709	1	0.15435	30.3324	33.2817
FBgn00275	37198	botv	0.097023	0.097023	1	0.251263	6.8977	8.09514
FBgn00322	34454	CG6138	-0.09699	0.09699	1	-0.233064	50.0372	41.9648
FBgn02644	14462890	asRNA:CR4	0.096968	0.096968	1	0.249721	8.98034	10.528
FBgn02660	19835976	asRNA:CR4	0.096836	0.096836	1	0.255358	10.0146	11.7867
FBgn00852	5740195	CG34232	0.096732	0.096732	1	0.199951	62.6263	70.9244
FBgn02643	14462410	CG43841	0.096727	0.096727	1	0.588791	5.9975	8.92655
FBgn00382	41816	CG6966	0.096707	0.096707	1	0.189658	15.3064	17.2111
FBgn00325	34750	CG9302	0.096705	0.096705	1	0.258227	11.478	13.536
FBgn00036	42649	CCT1	0.096615	0.096615	1	0.181995	42.061	47.0442
FBgn00317	33790	CG14011	-0.0966	0.096604	1	-0.283524	13.7907	11.1659
FBgn00150	44964	Actn3	-0.09651	0.09651	1	-0.181606	51.3583	44.6424

FBgn02655	19834721	CG44405	-0.0964	0.096396	1	-0.300648	8.90444	7.12385
FBgn00329	35437	ttm3	-0.09636	0.096362	1	-0.211483	47.5249	40.461
FBgn00346	37468	pirk	-0.09631	0.096312	1	-0.244464	17.3979	14.4757
FBgn00344	37197	CG15117	-0.09624	0.096241	1	-0.17539	32.4232	28.3054
FBgn00331	35689	CG2137	-0.09624	0.096237	1	-0.191278	32.2248	27.8232
FBgn02643	14462791	CR43802	0.096175	0.096175	1	0.603448	2.92274	4.39615
FBgn00012	45883	kar	0.096168	0.096168	1	0.26382	7.82904	9.26878
FBgn00207	37815	Alas	0.096144	0.096144	1	0.161261	78.3023	86.3286
FBgn02667	41260	Bruce	0.096027	0.096027	1	0.134712	26.273	28.4377
FBgn00366	39875	CG9705	0.095939	0.095939	1	0.205189	32.1281	36.5177
FBgn00370	40299	tzn	-0.09592	0.095925	1	-0.314285	11.7902	9.34292
FBgn00389	42650	tHMG1	-0.09589	0.095891	1	-0.186326	152.861	132.437
FBgn00319	34054	ATPsynGL	0.095878	0.095878	1	0.268617	36.0418	42.8125
FBgn00345	37358	CG9993	-0.09568	0.09568	1	-0.355975	5.98721	4.60775
FBgn00512	318625	CG31204	-0.09566	0.095655	1	-0.161223	97.5783	86.0276
FBgn00332	35748	CG8728	-0.09565	0.095651	1	-0.189886	40.28	34.8118
FBgn02666	19834727	asRNA:CR4	0.095641	0.095641	1	0.268152	16.6418	19.7617
FBgn00319	34014	gudu	-0.09561	0.095606	1	-0.193417	32.1653	27.7305
FBgn00333	35915	CNT1	-0.09556	0.09556	1	-0.159054	60.269	53.2148
FBgn00303	32146	CG15739	-0.09554	0.095541	1	-0.245072	20.6231	17.1518
FBgn00363	39437	CG4069	0.095486	0.095486	1	0.295786	8.49329	10.2815
FBgn00308	32709	CG5162	0.095419	0.095419	1	0.139392	207.924	225.787
FBgn00231	43215	amon	-0.0954	0.0954	1	-0.19471	17.6134	15.1713
FBgn00340	36797	mrj	-0.09533	0.095333	1	-0.152507	63.6268	56.4355
FBgn00364	39602	CG13476	-0.09532	0.095322	1	-0.199386	92.3948	79.3261
FBgn00322	34435	loh	0.095136	0.095136	1	0.270926	5.63714	6.70689
FBgn00321	34355	CG5731	-0.09513	0.095129	1	-0.303734	9.37939	7.4876
FBgn00003	32537	Chc	0.095116	0.095116	1	0.1349	64.9113	70.2688
FBgn00299	31703	spidey	0.095109	0.095109	1	0.161305	81.8541	90.2474
FBgn00033	37386	shg	0.095102	0.095102	1	0.182181	12.5086	13.9924
FBgn00232	43839	eIF4G1	0.095076	0.095076	1	0.131434	71.2213	76.9145
FBgn00302	32060	CG15200	-0.09505	0.09505	1	-0.192244	134.297	115.875
FBgn00839	4379908	CG34140	0.095026	0.095026	1	0.241782	15.9262	18.5682
FBgn00136	19893542	mt:ND3	-0.09498	0.094976	1	-0.15791	488.343	431.528

FBgn00851	5740214	CG34170	-0.09491	0.094912	1	-0.311788	43.4035	34.4544
FBgn00839	4379864	lobo	-0.0949	0.094903	1	-0.203145	20.7552	17.773
FBgn00858	5740383	CR41597	-0.0949	0.0949	1	-0.21696	42.9715	36.4451
FBgn00289	34919	CG7631	-0.09482	0.094823	1	-0.460651	6.9431	4.96265
FBgn02675	26067211	CR45883	-0.09482	0.094823	1	-0.460651	10.4146	7.44398
FBgn00515	318782	CG31525	-0.09481	0.09481	1	-0.209958	44.88	38.2496
FBgn00011	39202	hay	0.094741	0.094741	1	0.262758	7.94625	9.40063
FBgn00531	251270	CG33191	-0.09468	0.094678	1	-0.19155	47.7661	41.2339
FBgn00369	40203	CG7335	-0.09459	0.094587	1	-0.223622	33.9883	28.6929
FBgn00364	39577	CG13482	-0.09448	0.094479	1	-0.229881	70.8553	59.5558
FBgn02661	36015	Vamp7	0.094448	0.094448	1	0.186825	61.8624	69.424
FBgn00044	36289	RpIII128	0.094386	0.094386	1	0.263842	5.8101	6.87869
FBgn00320	34180	CG13088	-0.09438	0.094376	1	-0.173407	75.7892	66.2547
FBgn00351	38049	ttm2	-0.09435	0.094346	1	-0.165271	90.183	79.2845
FBgn02665	38378	ND-30	-0.09432	0.094324	1	-0.198922	65.015	55.8369
FBgn00516	318875	CG31659	-0.0943	0.094303	1	-0.193513	101.304	87.3309
FBgn00011	38995	h	0.094274	0.094274	1	0.177448	37.6431	41.9704
FBgn00283	43926	fan	-0.09425	0.094248	1	-0.165519	148.18	130.25
FBgn00376	41054	CCT7	0.094096	0.094096	1	0.19876	28.0473	31.7374
FBgn00288	260659	CG31817	0.094048	0.094048	1	0.167203	15.8316	17.5265
FBgn00852	5740170	CG34215	0.094039	0.094039	1	0.231025	71.5832	82.8368
FBgn00331	35646	Gadd45	0.093994	0.093994	1	0.261279	14.0986	16.6619
FBgn00510	5740822	CR31032	-0.09397	0.093967	1	-0.660074	3.25012	2.01238
FBgn00328	35316	CG2493	0.09396	0.09396	1	0.209058	24.398	27.8061
FBgn00354	38457	Sc2	0.093938	0.093938	1	0.161757	120.311	132.689
FBgn00340	36747	bdg	-0.09393	0.093934	1	-0.172202	21.0873	18.4499
FBgn00373	40690	CG12171	-0.09392	0.09392	1	-0.263701	24.2691	19.9235
FBgn00400	37683	yip3	0.093914	0.093914	1	0.346879	7.14645	8.96524
FBgn02666	19835017	CR45174	0.093871	0.093871	1	0.839077	0.799806	1.42959
FBgn00363	39530	CG8745	0.093564	0.093564	1	0.160172	56.7694	62.5413
FBgn00325	34755	CG16957	-0.09356	0.093562	1	-0.193955	83.3523	71.8332
FBgn00463	318552	gskt	-0.09356	0.093555	1	-0.161739	83.2158	73.3388
FBgn00276	34437	LManII	0.093404	0.093404	1	0.141	74.8397	81.3601
FBgn00450	250710	Proc	-0.09337	0.093372	1	-0.218186	22.6869	19.2248

FBgn00023	40861	sas	0.093344	0.093344	1	0.215854	6.40764	7.33726
FBgn00041	39873	Nrt	0.093253	0.093253	1	0.263414	4.75459	5.6274
FBgn00503	246545	CG30334	-0.09325	0.093251	1	-0.317561	22.4893	17.7802
FBgn00258	41248	Timp	0.093192	0.093192	1	0.162038	81.0778	89.4369
FBgn00470	26067037	CG33939	-0.09313	0.093131	1	-0.538923	7.03964	4.7582
FBgn00501	246490	CG30160	-0.093	0.092996	1	-0.223274	48.8592	41.2567
FBgn00526	31915	CG32698	-0.09299	0.092995	1	-0.240989	3.65568	3.049
FBgn00854	50320	dpr12	-0.09297	0.092973	1	-0.217937	9.51122	8.06117
FBgn00343	37097	CG18540	0.092892	0.092892	1	0.613665	3.01571	4.56966
FBgn00107	46140	l(3)02640	-0.09289	0.092891	1	-0.186908	30.6025	26.5027
FBgn00314	33411	CG17237	-0.09286	0.092859	1	-0.187911	83.7544	72.4835
FBgn02675	26067232	CR45904	-0.09285	0.092845	1	-0.763802	3.74538	2.14799
FBgn00384	42076	m-cup	-0.09284	0.092838	1	-0.149732	55.6205	49.4291
FBgn02637	44380	fok	0.092804	0.092804	1	0.140673	117.037	127.205
FBgn00345	37393	CG10527	-0.09273	0.092733	1	-0.207191	45.809	39.1164
FBgn00520	39311	CG32085	-0.09272	0.092725	1	-0.278338	6.82776	5.54818
FBgn00273	32518	CCT6	0.092677	0.092677	1	0.189509	33.5587	37.7309
FBgn00140	31588	RpL7A	-0.09264	0.092642	1	-0.129999	369.5	332.896
FBgn00395	43315	dsd	0.092619	0.092619	1	0.183195	12.7527	14.2755
FBgn00517	318946	CG31798	-0.09256	0.092559	1	-0.197379	33.0103	28.3807
FBgn02630	12798289	CR43361	-0.09239	0.092391	1	-0.212906	30.3552	25.8176
FBgn02625	42137	CG43102	0.092365	0.092365	1	0.196699	4.55116	5.14259
FBgn00104	37205	cora	0.092304	0.092304	1	0.1428	39.9498	43.4846
FBgn02675	26067184	pre-rRNA:C	0.092282	0.092282	1	0.184129	12.5603	14.0693
FBgn02655	19834768	CG44388	-0.09227	0.092272	1	-0.612719	16.684	10.6922
FBgn00357	38830	CG8560	-0.09224	0.092235	1	-0.192478	44.0182	37.9739
FBgn00303	32190	CG2574	-0.09223	0.092227	1	-0.236535	37.6754	31.5206
FBgn00866	35933	shrb	0.092036	0.092036	1	0.156294	117.108	128.668
FBgn00386	42211	CG7675	-0.09202	0.092021	1	-0.22676	27.7666	23.3892
FBgn00500	246412	CG30043	-0.09197	0.091966	1	-0.429588	2.12925	1.55574
FBgn00521	326197	Ndfip	0.091826	0.091826	1	0.168495	49.5579	54.9127
FBgn02615	35813	pdm3	-0.09169	0.091694	1	-0.266774	4.30457	3.5262
FBgn00381	41647	CG9799	0.091651	0.091651	1	0.24662	8.40158	9.8284
FBgn02508	34848	CG4218	-0.09157	0.091572	1	-0.155348	126.162	111.682

FBgn00331	35595	CG15236	-0.09152	0.091524	1	-0.243648	6.32099	5.26221
FBgn00035	37065	stau	0.091507	0.091507	1	0.161132	23.4976	25.9039
FBgn00341	36844	S-Lap8	-0.09149	0.091485	1	-0.121712	360.146	326.339
FBgn00540	3885589	CG34021	-0.09141	0.091408	1	-0.258694	33.2947	27.4285
FBgn00363	39463	CG14120	0.091144	0.091144	1	0.184642	16.4949	18.4831
FBgn00206	31760	Trxr-1	-0.09098	0.090977	1	-0.187818	26.4312	22.8757
FBgn00839	4379907	Mkp	0.090973	0.090973	1	0.236409	14.7718	17.1582
FBgn00339	36648	hui	0.090905	0.090905	1	0.279394	20.0844	24.0373
FBgn02607	8674011	CG42570	-0.0909	0.090901	1	-0.18189	42.167	36.6455
FBgn00535	3346208	dpr3	0.090898	0.090898	1	0.281736	5.08614	6.09711
FBgn00311	33129	CG14615	-0.09081	0.090814	1	-0.218594	22.3586	18.9411
FBgn00299	31697	ND-MNLL	-0.09073	0.090733	1	-0.195613	87.5521	75.3652
FBgn02664	19835262	CG45089	-0.09073	0.090733	1	-0.195613	87.5521	75.3652
FBgn00321	34275	CG3838	0.090688	0.090688	1	0.218638	10.7628	12.3481
FBgn00831	34035	Spn28B	-0.09059	0.090593	1	-0.253317	21.3897	17.6872
FBgn00320	34212	Tsp29Fb	-0.09048	0.090478	1	-0.139167	233.281	208.839
FBgn00231	39085	aay	-0.09019	0.090187	1	-0.163975	82.4013	72.5081
FBgn00368	40067	CG6839	0.090145	0.090145	1	0.243565	19.0344	22.2197
FBgn00202	43507	ATPsyngam	-0.09003	0.090031	1	-0.163736	86.4861	76.115
FBgn00355	38555	CG13722	0.090001	0.090001	1	0.533406	1.0362	1.4826
FBgn02628	42089	lute	0.089987	0.089987	1	0.176277	20.0727	22.362
FBgn00001	31151	arm	0.089957	0.089957	1	0.145408	56.1203	61.1965
FBgn02651	14462648	CR44221	0.089834	0.089834	1	0.477263	6.54865	9.004
FBgn00289	34934	Tektin-A	-0.08979	0.089785	1	-0.162088	60.4591	53.27
FBgn00322	34402	CG5045	-0.08972	0.089717	1	-0.171208	88.1291	77.1595
FBgn00264	36621	Su(var)2-HI	0.089715	0.089715	1	0.168656	9.51299	10.5421
FBgn00027	43153	E(spl)malpł	0.089606	0.089606	1	0.687195	2.0567	3.28694
FBgn02630	49297	SERCA	-0.08959	0.089593	1	-0.121922	78.2851	70.9261
FBgn02646	14462604	asRNA:CR4	-0.08957	0.089573	1	-0.275589	13.773	11.2132
FBgn00049	38006	gol	-0.08955	0.089552	1	-0.215681	10.5579	8.9623
FBgn00256	33171	CG3164	0.089529	0.089529	1	0.118121	241.267	258.16
FBgn00374	40803	CG1137	-0.08951	0.089512	1	-0.165308	87.6428	77.0488
FBgn00314	326154	CG31689	0.089485	0.089485	1	0.158256	39.2123	43.1418
FBgn00270	41983	Manf	0.089423	0.089423	1	0.187289	74.6871	83.8435

FBgn00501	37119	FBgn00501	0.089328	0.089328	1	0.142149	76.8628	83.626
FBgn00858	5740420	18SrRNA-P:	0.089289	0.089289	1	0.206685	22.1045	25.1508
FBgn00276	43392	htt	0.089276	0.089276	1	0.184409	5.56409	6.23376
FBgn00367	39989	TrpRS-m	-0.08915	0.089152	1	-0.134278	134.632	120.936
FBgn00333	35946	Cyp4p2	0.089108	0.089108	1	0.260756	11.2666	13.3103
FBgn02615	31700	RpS6	-0.0891	0.089096	1	-0.134815	271.923	244.168
FBgn00311	33057	CG1835	-0.08901	0.089008	1	-0.221113	54.516	46.1022
FBgn00002	41848	Cp190	0.08896	0.08896	1	0.163344	25.7274	28.4057
FBgn00327	35159	CG15168	0.088904	0.088904	1	0.242603	51.0918	59.6021
FBgn02666	19835546	asRNA:CR4	0.08882	0.08882	1	0.168546	57.3584	63.5584
FBgn00352	38233	CG12020	-0.08879	0.088787	1	-0.247916	22.4333	18.62
FBgn02621	33409	Sec24CD	0.088764	0.088764	1	0.162146	23.5207	25.9476
FBgn00331	35663	CG11145	-0.08872	0.088716	1	-0.277486	34.8309	28.3197
FBgn00468	170876	Pif2	-0.08871	0.088713	1	-0.242641	33.5121	27.9181
FBgn00334	35999	CG1773	0.088574	0.088574	1	0.474704	3.24369	4.45186
FBgn00511	42669	CG31156	0.08857	0.08857	1	0.250314	7.08881	8.31405
FBgn02600	42327	Dys	0.088534	0.088534	1	0.148967	7.93125	8.67002
FBgn00513	41392	Jupiter	-0.08848	0.088475	1	-0.130391	153.046	137.847
FBgn00501	246501	CG30178	-0.08838	0.088376	1	-0.450907	8.25383	5.93998
FBgn02668	19836258	CR45327	-0.08835	0.088348	1	-0.505804	5.89724	4.08134
FBgn02670	19835131	CG45493	0.088247	0.088247	1	0.297476	20.7356	25.1315
FBgn00381	41619	CG8138	-0.08818	0.088179	1	-0.224079	47.6734	40.2324
FBgn00356	38715	CG7376	0.088102	0.088102	1	0.273682	4.10042	4.88799
FBgn00299	31661	CG1958	-0.08808	0.088079	1	-0.181108	81.3484	70.7344
FBgn00038	41737	trx	0.088068	0.088068	1	0.151706	10.7827	11.8095
FBgn02646	33424	Eogt	-0.08807	0.088066	1	-0.27818	10.5484	8.57229
FBgn00324	34717	CG15482	-0.08792	0.087915	1	-0.220325	38.2674	32.379
FBgn00331	35618	Tsp42Ei	0.087817	0.087817	1	0.187335	46.913	52.6661
FBgn00389	42656	AdipoR	0.087817	0.087817	1	0.127599	134.88	145.275
FBgn00353	38329	CG1143	0.087808	0.087808	1	0.218364	21.2115	24.3314
FBgn00315	33589	CG16704	-0.08777	0.08777	1	-0.32863	35.6719	27.9835
FBgn00370	40317	CG11037	-0.08777	0.087767	1	-0.162455	134.617	118.579
FBgn00323	34567	CG14926	-0.08771	0.08771	1	-0.135329	351.184	315.226
FBgn00032	39887	Rh4	0.087638	0.087638	1	0.129608	260.256	280.705

FBgn00853	35107	Pde11	0.087253	0.087253	1	0.161715	14.3166	15.7892
FBgn00337	36358	CG8525	-0.08723	0.087226	1	-0.191314	46.3712	40.0358
FBgn02615	39268	CG42671	-0.0872	0.087197	1	-0.154976	22.2262	19.6802
FBgn02648	14462656	CR44060	0.087152	0.087152	1	0.325326	21.9684	27.1482
FBgn00373	40700	Atg17	0.087116	0.087116	1	0.162687	16.9804	18.7396
FBgn00342	36998	ND-51L1	-0.08711	0.087111	1	-0.209101	21.8378	18.6224
FBgn00339	36597	Arc2	0.087105	0.087105	1	0.278866	17.6643	21.1333
FBgn02611	42267	Xrp1	0.087088	0.087088	1	0.119125	125.314	134.181
FBgn00853	33011	CG34331	-0.08706	0.087063	1	-0.240941	30.1779	25.1701
FBgn00343	37159	CG17821	0.087059	0.087059	1	0.314205	10.4437	12.8063
FBgn00286	43442	Vha100-1	-0.08706	0.087057	1	-0.157052	42.4665	37.5479
FBgn02633	37230	hts	0.086971	0.086971	1	0.14314	17.1644	18.6876
FBgn02627	12798449	CG43175	0.086935	0.086935	1	0.252419	31.5873	37.1013
FBgn02786	41180	dmt	0.086915	0.086915	1	0.208691	12.7091	14.4808
FBgn00041	35694	blow	-0.08691	0.086905	1	-0.236803	10.984	9.18774
FBgn02661	5740513	CG44837	-0.08683	0.086834	1	-0.432725	1.14588	0.835329
FBgn00334	36009	CG1648	-0.08683	0.086827	1	-0.156133	98.7009	87.3246
FBgn00157	33025	Rab10	0.086766	0.086766	1	0.155915	54.8513	60.2502
FBgn00511	42698	CG31139	-0.08675	0.086753	1	-0.245255	21.3848	17.7826
FBgn02597	37937	CG42360	-0.08674	0.086736	1	-0.181942	39.3256	34.1747
FBgn02668	50003	CG45263	-0.08663	0.086632	1	-0.210465	3.34679	2.85129
FBgn00395	43377	beat-VI	-0.08656	0.086559	1	-0.352166	2.92205	2.25468
FBgn00359	39040	CG5144	-0.08645	0.086449	1	-0.173186	71.1165	62.1787
FBgn00370	40278	CG5059	0.086419	0.086419	1	0.131335	131.366	141.857
FBgn02661	19835321	asRNA:CR4	-0.08635	0.086349	1	-0.206727	48.7533	41.6435
FBgn02659	19836053	CR44689	-0.08634	0.086344	1	-0.734986	4.99093	2.92365
FBgn00853	5740483	CG34308	0.086334	0.086334	1	0.267728	21.2853	25.2687
FBgn00271	38047	miple1	-0.08625	0.086245	1	-0.171126	47.7878	41.8417
FBgn00393	43103	RpL27	-0.08619	0.086193	1	-0.132669	318.297	286.233
FBgn02636	14462595	CR43650	0.086167	0.086167	1	0.293187	1.30744	1.5799
FBgn00385	42132	Atg8b	-0.0861	0.086105	1	-0.213729	65.4773	55.6567
FBgn00322	34378	Ufd4	0.08608	0.08608	1	0.119242	66.9456	71.6886
FBgn02639	39013	dally	0.086025	0.086025	1	0.166812	20.8596	23.0866
FBgn02508	5740154	CG34222	-0.08598	0.085975	1	-0.210654	76.7538	65.3816

FBgn00316	33665	CG15635	0.085833	0.085833	1	0.149601	42.757	46.7602
FBgn00502	246535	Cht12	-0.08583	0.085829	1	-0.181954	45.3207	39.3841
FBgn02659	35596	coro	0.085826	0.085826	1	0.154569	38.7796	42.5568
FBgn02615	44259	nbs	0.085803	0.085803	1	0.209568	15.0962	17.2112
FBgn02643	14462766	CR43805	-0.0857	0.085704	1	-0.262673	13.2598	10.893
FBgn02661	19836063	CR44864	-0.0856	0.085601	1	-0.582732	3.49498	2.28864
FBgn00519	34082	Spn28Da	-0.08559	0.085587	1	-0.350773	8.16682	6.30772
FBgn00519	319023	CG31913	-0.08558	0.085581	1	-0.225459	41.4682	34.9618
FBgn00310	32936	ND-18	-0.08557	0.085573	1	-0.397868	9.88437	7.38526
FBgn02620	10178831	CG42846	0.085363	0.085363	1	0.265706	32.0959	38.0489
FBgn02677	26067391	asRNA:CR4	0.085326	0.085326	1	0.372257	17.1277	21.8727
FBgn00174	40900	Ubc84D	-0.08532	0.08532	1	-0.21979	60.6769	51.359
FBgn00316	33715	mRpL28	-0.08519	0.085191	1	-0.238502	25.5726	21.3651
FBgn00389	42606	CG7084	0.085149	0.085149	1	0.156202	31.8499	34.9917
FBgn00389	42628	CG13856	-0.08514	0.085136	1	-0.548272	3.83336	2.57331
FBgn00257	43841	unc-13	-0.0851	0.085098	1	-0.117356	28.7061	26.0901
FBgn00521	317866	CG32119	-0.08504	0.085042	1	-0.147651	97.4866	86.7595
FBgn00368	40137	CG9372	0.085036	0.085036	1	0.199624	27.1332	30.7216
FBgn00869	39492	snky	-0.08503	0.085029	1	-0.287988	7.77388	6.27432
FBgn00038	37238	FBgn00038	-0.08498	0.084985	1	-0.143381	106.867	95.3902
FBgn02651	19835561	CR44214	0.084975	0.084975	1	0.440104	2.82383	3.78221
FBgn00105	45398	Aldh-III	0.084957	0.084957	1	0.150721	39.5004	43.2323
FBgn00348	37671	Klp59C	-0.08496	0.084956	1	-0.144549	90.5026	80.7176
FBgn00300	31854	CG12057	-0.08495	0.084947	1	-0.405973	8.07389	5.99807
FBgn00406	50167	CG14974	-0.08491	0.084913	1	-0.217106	81.381	69.0125
FBgn00406	50073	CG13631	0.084901	0.084901	1	0.166376	58.0899	64.2723
FBgn00320	34131	CG8086	0.084891	0.084891	1	0.148443	24.8168	27.1185
FBgn00262	44747	msk	0.08483	0.08483	1	0.145637	41.7972	45.5851
FBgn02644	14462709	asRNA:CR4	-0.08476	0.084757	1	-0.242635	15.4211	12.8468
FBgn00367	39985	CG5577	-0.08467	0.084665	1	-0.227921	15.7939	13.293
FBgn02754	26067576	asRNA:CR4	-0.08463	0.084629	1	-0.506068	2.71412	1.87791
FBgn00048	41741	RpII15	-0.0846	0.084597	1	-0.304371	14.3735	11.4686
FBgn00355	38523	Ctl1	0.08449	0.08449	1	0.195588	19.6782	22.2183
FBgn00397	43627	CG15539	-0.08442	0.084416	1	-0.239793	18.0441	15.0618

FBgn00346	37462	mahj	0.084404	0.084404	1	0.190915	9.97625	11.2276
FBgn02609	42572	lsn	0.084366	0.084366	1	0.28944	14.7455	17.7718
FBgn00365	39670	CG7272	0.084224	0.084224	1	0.181736	53.6053	59.9459
FBgn00338	36550	CG6701	0.084198	0.084198	1	0.131693	50.6191	54.6753
FBgn02662	19835790	CR44955	-0.08407	0.084071	1	-0.452991	2.13484	1.53401
FBgn00540	3885584	CG34034	0.084005	0.084005	1	0.147407	240.001	262.073
FBgn00029	38809	mus312	0.083849	0.083849	1	0.189695	13.4332	15.1053
FBgn02651	19836034	CG44250	-0.08377	0.083766	1	-0.178343	70.0473	61.0246
FBgn00397	43555	Sas-6	0.083727	0.083727	1	0.330257	6.27355	7.77959
FBgn00112	35045	Dif	0.083723	0.083723	1	0.153739	21.9621	24.0874
FBgn00867	35425	step	-0.0837	0.083696	1	-0.164689	21.8971	19.2584
FBgn00323	34517	CG16743	0.083691	0.083691	1	0.279564	15.0699	18.0383
FBgn00104	37449	Fkbp14	0.083685	0.083685	1	0.158593	60.6029	66.6917
FBgn00522	326203	CG32238	-0.08364	0.083643	1	-0.164085	52.2161	45.9431
FBgn02604	37948	CG4806	0.083592	0.083592	1	0.239887	11.754	13.6861
FBgn02633	42894	CG6364	0.083568	0.083568	1	0.211767	14.7034	16.7889
FBgn00051	40201	gig	0.083566	0.083566	1	0.196422	8.18123	9.24267
FBgn00029	45339	net	0.08353	0.08353	1	0.276545	7.0735	8.44902
FBgn00285	34783	CG31731	0.083524	0.083524	1	0.145186	31.0403	33.8428
FBgn00330	35561	Fmo-2	0.083515	0.083515	1	0.180151	39.1098	43.6877
FBgn00377	41159	CG8273	-0.0835	0.0835	1	-0.239537	9.24513	7.71844
FBgn00027	41942	mor	0.083431	0.083431	1	0.19711	11.7286	13.2566
FBgn00341	36934	Cda9	0.083404	0.083404	1	0.352477	4.80713	6.05448
FBgn00852	5740391	CG34176	-0.08331	0.083306	1	-0.492129	11.3723	7.94708
FBgn00319	34109	PAPLA1	0.083215	0.083215	1	0.137701	29.6906	32.2036
FBgn00299	31666	Atg5	0.083141	0.083141	1	0.273116	11.4717	13.6698
FBgn00143	44046	sun	-0.08312	0.083124	1	-0.343485	23.8519	18.5165
FBgn00525	318104	CG32591	-0.08302	0.083023	1	-0.164202	59.7132	52.5351
FBgn00403	31295	CG3939	-0.083	0.082999	1	-0.266745	22.5798	18.4966
FBgn00445	3355089	mRpS5	-0.08293	0.082932	1	-0.15853	71.2192	62.9054
FBgn00388	42497	CG7044	0.082783	0.082783	1	0.210055	11.6979	13.3413
FBgn02603	8674068	CG42516	0.08274	0.08274	1	0.201836	21.5677	24.4577
FBgn02603	35787	Pbp49	0.08274	0.08274	1	0.201836	21.5677	24.4577
FBgn00298	31581	Marf	0.082732	0.082732	1	0.128954	80.0448	86.295

FBgn00416	64877	cpx	-0.08272	0.082717	1	-0.115491	55.0236	50.074
FBgn02668	19835253	CR45311	0.082679	0.082679	1	1.62335	0.0595749	0.195745
FBgn00202	38961	Cbl	0.082672	0.082672	1	0.175358	11.5085	12.8129
FBgn00348	37682	CG3092	-0.08267	0.082668	1	-0.18178	53.9473	46.8862
FBgn00512	326124	CG31200	0.082658	0.082658	1	0.224784	32.3347	37.2566
FBgn00324	34623	CG14945	0.082618	0.082618	1	0.213494	14.0934	16.1118
FBgn02644	31031	CG43867	0.082571	0.082571	1	0.187726	5.38421	6.04616
FBgn00398	43713	CG11334	0.082506	0.082506	1	0.23074	15.6693	18.1293
FBgn00136	19893556	mt:Cyt-b	0.082342	0.082342	1	0.0915133	6551.35	6881.94
FBgn00353	38355	CPT2	0.082325	0.082325	1	0.207826	16.2323	18.4841
FBgn00364	39556	CG6661	-0.08232	0.082319	1	-0.15364	67.9967	60.2633
FBgn02664	19836048	CR45045	0.082247	0.082247	1	0.21139	144.617	165.086
FBgn00362	39410	Ncc69	0.082241	0.082241	1	0.168369	16.2917	18.0505
FBgn00384	42013	CG14891	-0.08218	0.08218	1	-0.177271	46.3443	40.4047
FBgn00398	43723	RpL6	-0.08218	0.082175	1	-0.119141	511.129	463.975
FBgn00458	43331	btz	-0.08214	0.082138	1	-0.284986	5.62441	4.54895
FBgn00364	39658	CG6888	-0.08211	0.082113	1	-0.204026	62.9484	53.8692
FBgn00288	34858	CG4701	-0.0821	0.082096	1	-0.176076	59.1576	51.6186
FBgn02679	26067569	CR46259	0.081949	0.081949	1	0.780889	0.713512	1.22176
FBgn00512	318663	CG31287	-0.08194	0.081938	1	-0.16229	74.5021	65.6334
FBgn02646	35007	Mhc	0.081923	0.081923	1	0.111332	79.4505	84.6142
FBgn00150	45524	Cyp4p1	0.081828	0.081828	1	0.148307	82.7411	90.4069
FBgn02616	33068	l-3	-0.08178	0.081781	1	-0.264366	26.1649	21.4689
FBgn00242	45040	Spn43Ab	-0.08176	0.081759	1	-0.15058	108.465	96.3331
FBgn00390	42734	Rassf	0.081739	0.081739	1	0.199617	12.4982	14.151
FBgn00256	34024	santa-maria	0.081729	0.081729	1	0.194331	8.56741	9.66492
FBgn02633	12798288	asRNA:CR4	-0.08172	0.081724	1	-0.191629	16.2442	14.0216
FBgn00523	38833	sphinx2	-0.08168	0.081677	1	-0.241082	24.728	20.6222
FBgn00375	40957	CG7900	0.081661	0.081661	1	0.202815	21.8427	24.7865
FBgn00342	36989	Ns2	0.081451	0.081451	1	0.176966	29.8488	33.2691
FBgn00339	36650	CG10205	0.081447	0.081447	1	0.334184	9.93532	12.3544
FBgn00220	36953	l(2)k01209	0.081363	0.081363	1	0.199882	13.194	14.9417
FBgn02609	39457	CG42588	0.08136	0.08136	1	0.198767	5.08748	5.7569
FBgn00307	32675	CG13003	0.081347	0.081347	1	0.29885	1.98458	2.40766

FBgn00354	38485	CG14989	-0.08133	0.08133	1	-0.151145	48.0252	42.637
FBgn02614	32898	RhoGAP18I	0.081244	0.081244	1	0.198508	5.86772	6.63862
FBgn00333	35837	Cyp6a13	0.081239	0.081239	1	0.174219	42.6963	47.4982
FBgn00249	31257	CG2680	0.081234	0.081234	1	0.20915	31.1029	35.4502
FBgn00516	35424	nolo	-0.08122	0.081222	1	-0.184871	11.0159	9.55346
FBgn00357	38761	CG10064	-0.08118	0.081184	1	-0.1657	40.3833	35.4918
FBgn00394	43255	Nep5	-0.08115	0.081151	1	-0.231021	7.91353	6.64601
FBgn00369	40214	CG6933	-0.08099	0.080991	1	-0.575323	2.2599	1.48765
FBgn00264	33445	Drp1	-0.08091	0.08091	1	-0.16016	38.0256	33.5486
FBgn02649	14462722	asRNA:CR4	-0.08089	0.080888	1	-0.214123	18.7545	15.937
FBgn00169	4379834	stnB	0.080882	0.080882	1	0.149464	15.6687	17.1342
FBgn00169	3355164	stnA	0.080882	0.080882	1	0.149464	15.6687	17.1342
FBgn00375	40988	Coq2	-0.08088	0.080879	1	-0.331482	7.02357	5.49853
FBgn00374	40778	CG17917	-0.08081	0.080814	1	-0.419979	9.17696	6.75007
FBgn00405	53427	ACXB	-0.08074	0.080739	1	-0.29784	4.27613	3.4275
FBgn02599	8674115	Sfp33A3	0.080731	0.080731	1	0.159948	233.229	256.904
FBgn00383	41906	CG5614	0.0807	0.0807	1	0.128727	208.226	224.449
FBgn00400	3354863	klhl10	-0.08065	0.080655	1	-0.153743	44.0407	39.029
FBgn00056	34604	Crys	-0.08059	0.080591	1	-0.317042	5.70644	4.51284
FBgn00522	317911	CG32201	-0.08058	0.080584	1	-0.2592	12.5153	10.3062
FBgn00338	36471	CG4716	0.080383	0.080383	1	0.110205	814.054	866.285
FBgn00342	36981	eIF3b	0.080367	0.080367	1	0.122485	130.303	139.849
FBgn00388	42478	hdly	0.080355	0.080355	1	0.178392	24.4234	27.249
FBgn00348	37684	RpL22-like	0.080333	0.080333	1	0.222777	23.9245	27.5279
FBgn02664	39813	ringer	-0.08031	0.080308	1	-0.18914	41.7099	36.0653
FBgn00262	41562	mbo	0.080237	0.080237	1	0.216501	12.5812	14.4132
FBgn02663	19835581	CR45030	-0.08015	0.080153	1	-0.32554	10.7254	8.4316
FBgn02675	26067189	18SrRNA-P:	0.080151	0.080151	1	0.187762	27.0446	30.3703
FBgn00218	44226	Xbp1	-0.08012	0.080124	1	-0.124165	162.854	147.315
FBgn00391	42808	SdhD	-0.08008	0.080079	1	-0.181328	75.2706	65.4388
FBgn00046	45382	ogre	0.080076	0.080076	1	0.172218	18.2084	20.2281
FBgn00318	33923	CG11319	-0.08006	0.08006	1	-0.178045	8.89108	7.74738
FBgn00517	318906	CG31704	-0.08004	0.080036	1	-0.175283	147.635	128.891
FBgn00203	36444	TppII	0.079886	0.079886	1	0.152345	24.2766	26.6002

FBgn02616	10178788	CR42723	-0.07988	0.079877	1	-0.208336	52.0773	44.4323
FBgn00313	33313	CG5397	-0.07982	0.07982	1	-0.22241	11.8487	10.0107
FBgn02670	19834833	CG45488	0.079815	0.079815	1	0.285842	21.4731	25.8157
FBgn00264	34441	Grip75	0.079754	0.079754	1	0.216896	14.8839	17.0558
FBgn00510	43223	Lerp	-0.07975	0.079751	1	-0.144023	45.6136	40.6966
FBgn00359	39017	Tsp66E	0.079655	0.079655	1	0.208226	15.6099	17.7803
FBgn02592	7354423	CG42307	0.079603	0.079603	1	0.184576	13.5107	15.1387
FBgn00235	31780	Es2	-0.0796	0.079598	1	-0.285441	9.74597	7.87982
FBgn00385	42128	CG7655	0.079532	0.079532	1	0.30562	10.8462	13.2207
FBgn00055	46000	scw	-0.07946	0.079459	1	-0.981167	0.682048	0.330979
FBgn00354	38487	CG14995	-0.0794	0.079404	1	-0.104859	254.17	233.018
FBgn00305	32341	CtsB1	0.079358	0.079358	1	0.125361	183.586	197.429
FBgn00306	32455	CG5877	0.079341	0.079341	1	0.172771	18.1779	20.202
FBgn00375	40924	CG2993	-0.07933	0.079332	1	-0.185818	15.4827	13.4183
FBgn00353	38356	CG2113	-0.07933	0.079332	1	-0.164751	101.527	89.2882
FBgn00359	39058	CG4477	-0.0793	0.079304	1	-0.252165	24.0444	19.8975
FBgn00356	38635	TM9SF3	0.079264	0.079264	1	0.167318	29.6618	32.8401
FBgn02643	14462586	CR43810	0.079228	0.079228	1	0.511335	6.39303	9.00589
FBgn00526	318151	CG32681	-0.07916	0.079159	1	-0.226309	6.87772	5.79507
FBgn00167	38321	dos	0.079144	0.079144	1	0.22335	6.16203	7.09295
FBgn00518	318983	CG31855	-0.07912	0.079124	1	-0.266076	18.0274	14.774
FBgn00033	31248	sgg	0.079082	0.079082	1	0.126433	22.1872	23.8779
FBgn00105	46027	kermit	-0.07907	0.079065	1	-0.156593	43.2254	38.2306
FBgn00350	37949	Mmp1	0.079041	0.079041	1	0.153989	22.5451	24.7312
FBgn00354	38459	mge	-0.07901	0.079009	1	-0.15455	80.5045	71.3033
FBgn00310	33022	obst-A	0.07889	0.07889	1	0.382936	3.19666	4.11306
FBgn00373	40733	CG2017	0.078852	0.078852	1	0.174823	23.9378	26.6412
FBgn02508	34529	dUTPase	-0.07882	0.078818	1	-0.479529	5.7368	4.04486
FBgn02652	10178937	asRNA:CR4	-0.07875	0.078751	1	-0.149625	58.9172	52.362
FBgn00320	34123	CG8353	-0.07875	0.078746	1	-0.196943	49.0947	42.2209
FBgn00369	40256	CG5282	-0.07874	0.078741	1	-0.393667	4.82966	3.61904
FBgn00532	2768996	CG33229	0.078714	0.078714	1	0.140492	92.0281	100.011
FBgn00351	38023	Vdup1	-0.07868	0.078678	1	-0.185524	28.1298	24.3841
FBgn00409	50433	Peritrophin	0.078647	0.078647	1	0.283326	38.6673	46.4059

FBgn00339	36629	CG12860	-0.07862	0.078621	1	-0.111288	536.287	489.469
FBgn00363	39477	mRpL20	0.078605	0.078605	1	0.328165	15.3352	18.9892
FBgn00503	246587	CG30392	-0.0786	0.0786	1	-0.205583	37.7984	32.3113
FBgn00385	42127	alt	0.078551	0.078551	1	0.137377	39.9221	43.2915
FBgn00046	38244	Rap1	0.07851	0.07851	1	0.144137	47.4244	51.6686
FBgn00150	32221	CkIalpha	0.078469	0.078469	1	0.125356	83.6178	89.9224
FBgn00511	326120	HDAC11	0.07846	0.07846	1	0.260506	10.5179	12.4238
FBgn00302	32079	Pa1	-0.07846	0.078459	1	-0.282866	10.4873	8.49439
FBgn00523	117406	CG32396	-0.07846	0.078457	1	-0.167957	51.9877	45.6189
FBgn00030	36060	Pfk	-0.0784	0.078401	1	-0.131597	54.7619	49.2819
FBgn02508	32154	pot	0.078355	0.078355	1	0.203942	8.76859	9.95814
FBgn00374	40883	CG10029	-0.07833	0.078334	1	-0.203072	32.3604	27.7111
FBgn00504	37691	CG30412	-0.07829	0.07829	1	-0.16786	73.7833	64.7488
FBgn00393	43092	Ssadh	-0.07828	0.078284	1	-0.171209	42.4362	37.1534
FBgn00322	34405	lft	0.0782	0.0782	1	0.252647	15.1731	17.8249
FBgn02602	8674050	CG42504	-0.07817	0.078167	1	-0.210947	11.4664	9.7653
FBgn02602	8674018	CG42505	-0.07817	0.078167	1	-0.210947	11.4664	9.7653
FBgn00385	42093	Sur-8	0.077939	0.077939	1	0.178757	12.7717	14.2529
FBgn00328	35319	CG15475	-0.07792	0.07792	1	-0.164668	87.8131	77.2317
FBgn00264	39557	Hsc70Cb	0.077904	0.077904	1	0.139533	43.2555	46.9764
FBgn00388	42528	CG3301	-0.07788	0.077882	1	-0.233602	22.3872	18.7674
FBgn00202	33119	mst	0.077874	0.077874	1	0.374404	2.62928	3.36286
FBgn00371	40399	S1P	0.077874	0.077874	1	0.254297	6.05609	7.12267
FBgn00044	40610	Ubc6	0.077849	0.077849	1	0.136149	83.8049	90.8005
FBgn00046	36697	Xpc	0.077821	0.077821	1	0.15498	21.3126	23.3953
FBgn00333	35921	CG8777	0.077815	0.077815	1	0.234697	6.38136	7.4036
FBgn00399	3355163	Rab21	-0.07778	0.077782	1	-0.310232	10.7414	8.53517
FBgn00357	38844	CG7546	0.077655	0.077655	1	0.150319	21.998	24.0696
FBgn00396	43482	CG7568	-0.07764	0.077642	1	-0.183556	30.2984	26.2999
FBgn02628	19834885	asRNA:CR4	0.077615	0.077615	1	0.535056	3.52423	5.0492
FBgn02609	39454	Atg1	0.077608	0.077608	1	0.177033	14.8284	16.5284
FBgn00326	35052	Sgt	-0.07755	0.077549	1	-0.17365	48.5618	42.4444
FBgn02604	39480	RpS12	-0.0775	0.077496	1	-0.133026	358.991	322.746
FBgn00025	33782	Lam	0.077481	0.077481	1	0.185508	13.8996	15.5845

FBgn02658	19835537	CR44667	-0.07747	0.077473	1	-0.599044	2.99367	1.93699
FBgn02675	26067203	asRNA:CR4	0.077347	0.077347	1	0.246184	16.0737	18.7981
FBgn00323	34583	CG6614	-0.07731	0.077307	1	-0.20592	10.9774	9.38164
FBgn02664	19834948	SclB	0.077179	0.077179	1	0.196121	36.7958	41.5612
FBgn00312	33284	CG4629	-0.07716	0.077163	1	-0.200277	14.7022	12.6144
FBgn02637	32729	CG43658	0.076928	0.076928	1	0.173552	5.31993	5.91552
FBgn00039	32569	vap	0.076877	0.076877	1	0.177098	13.582	15.1397
FBgn00276	36037	eIF3j	0.076615	0.076615	1	0.150472	82.5629	90.3479
FBgn00349	37887	CG3394	-0.07659	0.07659	1	-0.179316	26.3165	22.911
FBgn00314	33462	Bacc	0.076548	0.076548	1	0.117324	137.427	146.968
FBgn00329	35435	CG2528	-0.07654	0.076536	1	-0.13871	31.2558	27.9895
FBgn00318	33999	MICU1	0.076514	0.076514	1	0.183168	25.5426	28.5924
FBgn00256	31075	DAAM	-0.07651	0.076508	1	-0.240652	4.19309	3.49786
FBgn00355	38608	CG4669	-0.07635	0.076347	1	-0.117146	192.965	175.405
FBgn00174	38982	Nelf-E	-0.07633	0.076333	1	-0.323331	9.65412	7.60102
FBgn00329	35408	nrv3	-0.07631	0.076307	1	-0.118269	80.3768	73.0055
FBgn00533	2768916	CG33303	0.076242	0.076242	1	0.160369	37.0437	40.8158
FBgn00331	35681	mEFTu2	-0.07623	0.076231	1	-0.171911	43.8957	38.4124
FBgn00150	44632	Cyp4e1	-0.0762	0.076203	1	-0.171364	42.8397	37.5026
FBgn00160	37007	Sema1b	0.076197	0.076197	1	0.146226	27.4594	29.9602
FBgn00357	38748	velo	-0.07615	0.076153	1	-0.153705	16.9883	15.0554
FBgn00241	34885	vig	-0.07611	0.076109	1	-0.135863	56.4131	50.6177
FBgn00381	41665	CG10841	-0.07611	0.076106	1	-0.133377	85.997	77.2957
FBgn02667	19835780	CR45223	0.076092	0.076092	1	0.421615	0.742042	0.981091
FBgn00055	39088	RpS17	-0.07593	0.075927	1	-0.129003	449.583	405.322
FBgn00339	36685	row	0.075905	0.075905	1	0.182734	11.2023	12.5361
FBgn00374	40840	CG1988	-0.07589	0.075886	1	-0.120134	157.115	142.521
FBgn00324	34644	CG17217	0.075864	0.075864	1	0.29404	19.5446	23.6321
FBgn00231	36018	Prosalpha7	-0.07585	0.075845	1	-0.167091	84.4739	74.1697
FBgn00360	39114	CG3222	-0.07582	0.075818	1	-0.153164	84.3439	74.7755
FBgn00002	37724	bw	-0.07581	0.075806	1	-0.380537	2.8944	2.189
FBgn00391	42867	CG6178	0.075694	0.075694	1	0.142361	68.9764	75.0569
FBgn00317	33777	CG7277	-0.07568	0.075683	1	-0.219356	21.0976	17.8627
FBgn00025	35826	Mal-A3	-0.07565	0.075652	1	-0.22876	16.653	14.0075

FBgn00306	32503	CG15599	0.075638	0.075638	1	0.249319	5.31729	6.23216
FBgn02626	12798551	CG43145	-0.07563	0.075625	1	-0.427423	16.7148	12.2291
FBgn00328	35300	Kua	0.075619	0.075619	1	0.227791	10.3646	11.9673
FBgn00513	41462	CG31358	-0.07554	0.075541	1	-0.208209	10.9079	9.30729
FBgn00005	43736	eEF1alpha2	0.075519	0.075519	1	0.125601	92.9573	99.9831
FBgn00387	42397	mdlc	0.075439	0.075439	1	0.330697	6.2119	7.70575
FBgn00284	34577	CG31705	0.075439	0.075439	1	0.128923	78.342	84.4575
FBgn00533	2768932	CG33322	-0.07539	0.075394	1	-0.163418	55.3349	48.7092
FBgn00204	34658	eRF3	0.075381	0.075381	1	0.135131	39.2092	42.4523
FBgn00524	318034	CG32450	-0.07536	0.075361	1	-0.16139	112.75	99.3899
FBgn00514	318714	CG31404	-0.07533	0.075332	1	-0.33601	10.8845	8.49379
FBgn02649	33981	smt3	0.075283	0.075283	1	0.14475	171.555	186.988
FBgn00288	34856	CG4691	-0.07516	0.075163	1	-0.122021	265.843	240.835
FBgn00857	5740855	CR40640	0.075119	0.075119	1	0.33001	15.5404	19.2683
FBgn00034	33117	slgA	-0.07507	0.07507	1	-0.132741	47.3842	42.6086
FBgn00363	39470	CG10749	-0.07505	0.075053	1	-0.166583	69.5992	61.1309
FBgn00857	5740535	CR40641	0.074957	0.074957	1	0.272157	27.0107	32.1654
FBgn00328	35357	CG9338	-0.0749	0.074896	1	-0.200312	40.5971	34.831
FBgn02631	46068	Acsl	0.074842	0.074842	1	0.105038	139.549	147.972
FBgn00328	35260	CG10462	0.074785	0.074785	1	0.194197	12.8924	14.5427
FBgn00354	38397	RpL28	-0.07476	0.074757	1	-0.160856	66.8606	58.9596
FBgn02655	36072	mlt	-0.07475	0.074748	1	-0.134743	62.5372	56.1562
FBgn00857	5740491	CR40621	0.07472	0.07472	1	0.169741	59.5365	66.0271
FBgn00534	2768886	Sdic4	-0.0746	0.074597	1	-0.295237	8.08224	6.48986
FBgn00854	5740775	CG34450	-0.07458	0.074577	1	-0.199903	30.0168	25.7607
FBgn00349	37885	CG13577	0.074573	0.074573	1	0.194997	23.8843	26.9566
FBgn00384	42051	AdSL	-0.07454	0.074544	1	-0.254589	9.31241	7.69316
FBgn02665	326116	tau	-0.07448	0.074476	1	-0.165997	11.4957	10.1011
FBgn00391	42840	CG13604	0.074411	0.074411	1	0.219419	8.73702	10.0296
FBgn00299	31684	Rab39	0.074349	0.074349	1	0.19717	28.4592	32.1685
FBgn02621	10178932	MtnE	-0.07429	0.074292	1	-0.442498	9.16144	6.63146
FBgn02648	14462524	asRNA:CR4	-0.07427	0.074273	1	-0.292348	8.14035	6.54974
FBgn00381	41623	CG8483	0.074195	0.074195	1	0.435358	2.26142	3.01907
FBgn00448	41995	Pak3	0.074136	0.074136	1	0.145148	24.4752	26.6843

FBgn00372	40611	CG14661	0.07409	0.07409	1	0.170966	59.9523	66.5448
FBgn00374	40786	CG10286	0.073945	0.073945	1	0.243097	9.64375	11.2542
FBgn00375	40996	DppIII	-0.07392	0.073923	1	-0.115919	146.365	133.159
FBgn00504	36924	CG30460	-0.07388	0.073876	1	-0.128219	29.0792	26.2306
FBgn02621	10178964	CR42862	0.073851	0.073851	1	0.0864549	720.533	754.243
FBgn00361	39233	CG6321	-0.07384	0.073837	1	-0.221887	20.0089	16.911
FBgn00334	36004	CG1690	-0.07383	0.073834	1	-0.142633	84.2012	75.1967
FBgn00249	33495	NTPase	0.073828	0.073828	1	0.150632	37.135	40.641
FBgn00520	317826	CG32022	0.073827	0.073827	1	0.214502	32.3126	36.9664
FBgn00298	31547	Nep1	-0.07374	0.073742	1	-0.296539	3.01098	2.41553
FBgn00397	43617	CG2224	-0.07374	0.073738	1	-0.185716	25.7406	22.3099
FBgn00858	5740828	CR41590	0.073687	0.073687	1	0.188907	22.87	25.7029
FBgn02616	35026	tweek	0.073669	0.073669	1	0.136315	9.54638	10.3445
FBgn00361	39232	CG7888	0.073548	0.073548	1	0.186047	19.4251	21.788
FBgn00854	5740837	CG34425	-0.07354	0.073544	1	-0.161079	50.9682	44.9382
FBgn00358	38964	CG6983	-0.07353	0.073534	1	-0.182547	33.3679	28.9845
FBgn00320	3771965	CG9515	0.0735	0.0735	1	0.371465	6.18825	7.89869
FBgn00305	32419	CG9512	0.073463	0.073463	1	0.120717	125.086	134.085
FBgn00275	38218	drpr	0.073401	0.073401	1	0.14072	28.5723	31.0557
FBgn00153	37909	Ssl	-0.07331	0.073315	1	-0.269119	20.3956	16.679
FBgn00389	42578	fit	-0.07327	0.073272	1	-0.325736	21.3655	16.7931
FBgn00386	42260	CG14297	-0.07326	0.073265	1	-0.150776	110.095	97.7667
FBgn00369	26067586	CR6434	0.073234	0.073234	1	0.377563	9.24073	11.8454
FBgn00370	40360	Tsr1	0.073172	0.073172	1	0.175797	20.3074	22.6161
FBgn00517	34320	CG31712	-0.07315	0.073147	1	-0.150274	36.3184	32.2629
FBgn00327	35168	Sidpn	-0.07308	0.07308	1	-0.385214	3.45676	2.60563
FBgn00392	42930	REPTOR	0.073064	0.073064	1	0.143117	17.5813	19.1412
FBgn00048	33968	Hrb27C	0.072971	0.072971	1	0.104679	71.3829	75.6725
FBgn00306	32443	CG9072	-0.07291	0.072911	1	-0.313642	21.2471	16.8422
FBgn00324	34726	Prosalpha6	-0.07289	0.072893	1	-0.206411	38.2477	32.6761
FBgn00311	33083	bves	0.072829	0.072829	1	0.179414	9.22887	10.3039
FBgn00378	41340	SdhC	-0.07281	0.072812	1	-0.165856	87.471	76.8668
FBgn00256	31168	moody	0.072782	0.072782	1	0.170505	16.2011	17.9769
FBgn00402	53442	Spt5	0.072713	0.072713	1	0.17242	17.7046	19.6713

FBgn02674	41894	AOX1	0.072666	0.072666	1	0.108825	112.693	119.809
FBgn00377	41176	CG18542	0.072595	0.072595	1	0.244836	15.8297	18.4956
FBgn00204	34167	emb	0.07257	0.07257	1	0.136377	33.7307	36.5521
FBgn00382	41723	CG14355	-0.07248	0.072483	1	-0.111038	137.605	125.614
FBgn00867	43683	stops	-0.07242	0.072419	1	-0.247507	10.0113	8.31147
FBgn00350	38000	CG3829	0.07241	0.07241	1	0.165441	22.0248	24.3531
FBgn00642	3355124	RpL5	0.072326	0.072326	1	0.0900863	518.363	543.982
FBgn00056	37886	nvy	-0.0723	0.072298	1	-0.367192	2.40588	1.83667
FBgn00324	34678	CG5781	-0.07229	0.072294	1	-0.226708	32.6991	27.5435
FBgn00020	35189	CG10561	-0.07226	0.072259	1	-0.159319	44.0135	38.8538
FBgn00011	32087	Gs2	0.072213	0.072213	1	0.115238	150.5	160.716
FBgn00520	326188	S-Lap4	-0.07218	0.072182	1	-0.09467	638.358	589.382
FBgn00500	36818	CG30099	-0.07202	0.072024	1	-0.283422	20.9462	16.9587
FBgn02607	40596	ctrip	-0.07201	0.072007	1	-0.104961	52.1318	47.7898
FBgn00381	41644	CG9813	-0.07199	0.071994	1	-0.13573	58.4726	52.4703
FBgn02671	19835226	CR45560	-0.07197	0.071973	1	-0.64967	2.72987	1.70213
FBgn00287	33939	Nhe3	0.071963	0.071963	1	0.143972	26.0599	28.3889
FBgn00376	41052	Ir85a	0.071917	0.071917	1	0.198456	17.6147	19.9284
FBgn00306	32505	CG9240	-0.07185	0.071852	1	-0.257762	20.6515	17.0227
FBgn00444	38344	Atg2	0.071843	0.071843	1	0.13811	22.4059	24.3093
FBgn00867	32928	nAChRalph	-0.07184	0.071835	1	-0.17282	11.6703	10.206
FBgn00317	33820	CG14000	0.071731	0.071731	1	0.267995	11.2002	13.2991
FBgn00352	38217	CG12035	-0.07166	0.071656	1	-0.23822	20.1366	16.8261
FBgn00329	35433	CG1428	0.071636	0.071636	1	0.261667	8.03666	9.50079
FBgn00008	47781	fs(1)K10	0.071632	0.071632	1	0.22868	7.92652	9.15796
FBgn02599	8674015	CG42465	-0.07162	0.071623	1	-0.447735	13.2445	9.55108
FBgn00369	40161	Cyp305a1	-0.07158	0.071582	1	-0.264064	10.6224	8.71738
FBgn00103	43950	CdsA	-0.07155	0.071545	1	-0.130843	73.9022	66.5414
FBgn02675	26067208	CR45880	-0.07154	0.071535	1	-0.433796	9.17931	6.68532
FBgn00032	43719	rod	0.071518	0.071518	1	0.255593	2.69096	3.16778
FBgn00230	38058	mth	0.071478	0.071478	1	0.22203	10.9043	12.5403
FBgn00324	34686	MRP	0.071265	0.071265	1	0.114265	43.962	46.9145
FBgn00839	31945	RhoU	0.071237	0.071237	1	0.353995	2.28596	2.88234
FBgn00362	39343	CG5906	-0.07117	0.071174	1	-0.189001	58.6591	50.7248

FBgn00354	38395	CG14967	0.071142	0.071142	1	0.148721	13.813	15.0971
FBgn00102	36927	GstS1	-0.07107	0.071073	1	-0.119545	126.334	114.646
FBgn00518	326167	ZnT33D	-0.07101	0.071008	1	-0.200214	18.3617	15.7547
FBgn00270	34156	AlaRS	0.070983	0.070983	1	0.158377	24.3656	26.8098
FBgn00019	33836	ifc	-0.07088	0.07088	1	-0.138064	68.411	61.2891
FBgn02616	42148	tinc	-0.07086	0.070856	1	-0.254052	2.94482	2.43365
FBgn00045	39833	aos	0.07082	0.07082	1	0.275766	4.94646	5.90532
FBgn00347	37541	CG11291	-0.07082	0.070819	1	-0.164651	60.8486	53.5165
FBgn00312	33197	CG11601	0.070812	0.070812	1	0.177679	36.6541	40.8747
FBgn00529	318260	CG32939	0.070668	0.070668	1	0.256499	13.5293	15.9367
FBgn00332	35737	CG12822	-0.07066	0.070661	1	-0.243133	15.5476	12.947
FBgn00296	31313	CG16782	-0.07064	0.070635	1	-0.133407	149.096	134.007
FBgn00378	41284	CG4073	-0.07061	0.070612	1	-0.214328	30.5772	25.9792
FBgn00367	39975	Adgf-B	-0.07061	0.070606	1	-0.179638	34.2248	29.7888
FBgn00284	40876	Syt4	-0.07059	0.070594	1	-0.163633	25.5215	22.4621
FBgn00404	41587	grsm	-0.07057	0.070568	1	-0.136132	64.8858	58.2089
FBgn00390	42708	CG6660	0.070564	0.070564	1	0.19504	35.0583	39.5692
FBgn00233	40111	Chd3	0.070468	0.070468	1	0.27844	4.41677	5.28279
FBgn00327	35238	Hasp	-0.07043	0.070432	1	-0.145049	18.9219	16.87
FBgn00313	33337	CG10869	-0.07038	0.070378	1	-0.112535	170.223	155.228
FBgn00377	41173	CG16817	0.070246	0.070246	1	0.118763	235.437	252.034
FBgn00857	5740166	CR41535	0.070162	0.070162	1	0.214862	42.8754	49.0631
FBgn02645	36337	garz	0.070128	0.070128	1	0.12589	28.6343	30.8047
FBgn00339	36563	CysRS-m	-0.0701	0.070095	1	-0.139892	66.2187	59.2497
FBgn00360	39107	CG3408	0.069941	0.069941	1	0.177854	27.6446	30.8315
FBgn00337	36333	CG17739	0.069929	0.069929	1	0.160288	26.4703	29.1642
FBgn02592	38430	CG42324	-0.06991	0.06991	1	-0.162071	13.503	11.8972
FBgn00514	318721	Gba1b	0.069845	0.069845	1	0.260561	6.94271	8.20125
FBgn00857	5740733	CR40190	-0.06981	0.06981	1	-0.231719	14.9358	12.5369
FBgn00299	31650	CG12541	-0.06979	0.069785	1	-0.333792	4.11216	3.21382
FBgn00112	42889	jar	-0.06977	0.069766	1	-0.11112	69.8048	63.7181
FBgn02634	39052	nwk	-0.06975	0.069751	1	-0.168604	12.4986	10.9624
FBgn00513	261629	Unc-115a	0.069716	0.069716	1	0.12763	43.1067	46.43
FBgn00381	41634	CG8773	0.06968	0.06968	1	0.189695	13.3595	15.0226

FBgn00516	33928	CG31635	0.069606	0.069606	1	0.138724	13.5656	14.7243
FBgn00376	41109	CG8861	-0.06951	0.06951	1	-0.260346	7.24713	5.96285
FBgn00397	43522	CG7829	-0.06949	0.06949	1	-0.355441	9.1454	7.03953
FBgn02615	33569	Thor	-0.06946	0.069455	1	-0.121759	327.197	296.47
FBgn00356	38646	Txl	0.069416	0.069416	1	0.163113	61.9767	68.4181
FBgn00396	43515	CG7834	-0.06938	0.069382	1	-0.237592	21.4803	17.9567
FBgn02592	35977	brp	-0.06935	0.069355	1	-0.152294	7.43592	6.59628
FBgn00329	35366	CG9270	-0.06933	0.069326	1	-0.215114	7.91981	6.72517
FBgn00307	32596	CG9917	0.069302	0.069302	1	0.14034	67.7795	73.6513
FBgn00335	36182	CG13215	0.069278	0.069278	1	0.355868	11.1495	14.0768
FBgn00302	32038	CG15203	0.069161	0.069161	1	0.282743	14.2432	17.0871
FBgn00382	41775	CG7886	-0.06916	0.069159	1	-0.114193	96.7323	88.1094
FBgn00204	39241	JIL-1	-0.06912	0.069118	1	-0.144361	18.1325	16.174
FBgn00156	33526	toc	-0.06906	0.069063	1	-0.121606	21.7294	19.6908
FBgn00361	39279	CG12289	-0.06905	0.069052	1	-0.176388	42.8361	37.3682
FBgn02659	19835645	asRNA:CR4	-0.069	0.068997	1	-0.207235	31.7339	27.0954
FBgn00531	252554	sav	-0.06898	0.068976	1	-0.359679	3.86928	2.96944
FBgn00343	37156	Vps51	0.068923	0.068923	1	0.228929	9.63686	11.136
FBgn00331	35658	CG11112	-0.06892	0.068916	1	-0.263055	27.8066	22.8356
FBgn00116	36705	Pms2	0.068889	0.068889	1	0.215719	9.1469	10.4732
FBgn00115	40314	fng	0.068887	0.068887	1	0.252338	8.97078	10.5365
FBgn00357	38820	Sh3beta	0.068886	0.068886	1	0.135646	43.4418	47.0518
FBgn00315	33616	CG15423	-0.06879	0.068789	1	-0.328431	18.9635	14.8765
FBgn00118	39164	Taf2	0.068718	0.068718	1	0.209325	7.65171	8.72237
FBgn00458	39137	vsg	0.068717	0.068717	1	0.101965	248.522	262.961
FBgn00322	34479	EMC3	0.068621	0.068621	1	0.213016	29.8546	34.1194
FBgn00335	36142	RpS15Ab	-0.0686	0.068598	1	-0.162308	107.77	94.9379
FBgn00386	42311	CG5217	-0.06858	0.068577	1	-0.135315	156.505	140.479
FBgn00328	35347	CG9331	-0.06857	0.06857	1	-0.147739	40.6956	36.2148
FBgn02612	43088	ymp	-0.06853	0.068529	1	-0.128806	101.218	91.2649
FBgn00327	35142	CG10600	0.068501	0.068501	1	0.125503	35.9936	38.7115
FBgn00322	34397	Sps2	-0.0685	0.068495	1	-0.173551	42.6812	37.3066
FBgn00343	37117	CG5174	0.068484	0.068484	1	0.136914	54.4297	59.0046
FBgn00519	33174	CG31974	0.068296	0.068296	1	0.151855	46.0528	50.4437

FBgn00321	34304	nAChRalph	-0.06821	0.068206	1	-0.191496	5.85157	5.05127
FBgn00000	38545	nAChRbeta	-0.0682	0.068201	1	-0.157897	28.592	25.2649
FBgn00318	33885	CG9498	0.068103	0.068103	1	0.14474	69.1675	75.3893
FBgn00279	41952	msps	0.067878	0.067878	1	0.120565	29.4442	31.5593
FBgn02615	10178901	CG42659	-0.06772	0.06772	1	-0.169595	154.265	135.21
FBgn00276	32910	Ulp1	0.067707	0.067707	1	0.149789	16.5737	18.1279
FBgn00002	33727	Col4a1	0.067672	0.067672	1	0.201015	5.49817	6.23143
FBgn00329	35379	CG9253	0.067521	0.067521	1	0.193563	22.7917	25.698
FBgn00306	32516	CG8206	-0.06752	0.067516	1	-0.187754	40.2353	34.8229
FBgn00512	40853	CG31248	-0.0675	0.0675	1	-0.240183	24.1351	20.1394
FBgn00263	41333	Ugt35b	0.067464	0.067464	1	0.133041	85.8977	92.8679
FBgn00317	33825	CG9044	0.067451	0.067451	1	0.142155	24.9285	27.1222
FBgn00351	38083	CG3344	0.067373	0.067373	1	0.162768	45.3736	50.0774
FBgn00334	36035	CG1418	-0.06733	0.06733	1	-0.14292	105.606	94.2929
FBgn00039	40009	hid	-0.06731	0.067315	1	-0.231803	6.44991	5.41363
FBgn00247	34952	PRL-1	0.067298	0.067298	1	0.112213	81.3728	86.7144
FBgn00169	44205	spen	0.067266	0.067266	1	0.113535	12.611	13.4512
FBgn02630	12798458	CG43312	-0.06724	0.067245	1	-0.467038	5.77887	4.11027
FBgn00139	44573	MAPk-Ak2	0.067237	0.067237	1	0.142393	49.5787	53.9505
FBgn00368	40043	Nufip	0.067177	0.067177	1	0.429868	2.56024	3.40498
FBgn00308	32760	Socs16D	0.06717	0.06717	1	0.168591	12.0839	13.3906
FBgn00398	43721	CG1638	-0.06716	0.067159	1	-0.198674	25.5884	21.9787
FBgn00510	318574	CG31055	-0.06716	0.067156	1	-0.156289	41.5154	36.7255
FBgn00229	39377	yps	-0.06709	0.067094	1	-0.110926	130.9	119.502
FBgn00421	326109	CG18858	0.067069	0.067069	1	0.168281	29.3415	32.5074
FBgn00362	39424	CG10638	-0.06697	0.066974	1	-0.176822	23.3275	20.3436
FBgn00396	43440	Ctl2	0.066969	0.066969	1	0.125299	51.8729	55.7818
FBgn00048	42944	tok	0.066935	0.066935	1	0.142285	20.0366	21.8018
FBgn00273	34505	Stam	-0.06688	0.066881	1	-0.164624	25.1467	22.1169
FBgn00389	42637	CG12499	0.066819	0.066819	1	0.228579	3.57165	4.12627
FBgn00402	53431	Best1	0.066789	0.066789	1	0.180296	14.2221	15.8886
FBgn00352	38194	GC	-0.06676	0.066759	1	-0.295999	5.07457	4.07242
FBgn00393	43113	CG17195	-0.06674	0.066739	1	-0.200103	42.2672	36.2685
FBgn00283	43927	fal	0.066521	0.066521	1	0.158756	26.4275	29.0861

FBgn00314	33467	aph-1	0.0665	0.0665	1	0.265757	14.9706	17.7486
FBgn00361	39265	Plod	0.066392	0.066392	1	0.220347	9.60014	11.0276
FBgn00516	33489	CG31694	0.066333	0.066333	1	0.131761	54.6965	59.0823
FBgn00315	33551	CG8838	-0.06627	0.066272	1	-0.14201	121.915	108.923
FBgn02673	31247	PI4KIIIalpha	-0.06616	0.066163	1	-0.145326	15.4091	13.7354
FBgn02640	14462725	CR43752	-0.06616	0.066159	1	-0.377872	14.8593	11.2581
FBgn02650	14462490	CR44175	-0.06613	0.066127	1	-0.459708	7.9773	5.70352
FBgn00136	19893540	mt:CoIII	0.066068	0.066068	1	0.0745341	11148.3	11573.8
FBgn00043	38611	Klp64D	0.06599	0.06599	1	0.189407	15.712	17.6644
FBgn00203	33105	Rpt6	0.065916	0.065916	1	0.137643	85.3607	92.5823
FBgn00325	34747	ND-B22	-0.06584	0.065835	1	-0.18561	55.262	47.8995
FBgn02664	19835657	SclA	0.065808	0.065808	1	0.190647	37.7975	42.531
FBgn00308	32692	CG4955	-0.06581	0.065805	1	-0.164311	38.4421	33.8176
FBgn00295	44276	Crtp	-0.06575	0.065748	1	-0.15639	33.9002	29.9868
FBgn00056	33565	msl-2	0.065742	0.065742	1	0.197762	9.00838	10.1868
FBgn02670	19836139	CG45494	0.065719	0.065719	1	0.271037	21.7334	25.8613
FBgn00334	36071	KCNQ	-0.06562	0.065623	1	-0.211949	8.39579	7.14503
FBgn00275	34626	Rab3-GAP	-0.06561	0.06561	1	-0.116234	60.6427	55.1586
FBgn00025	33214	RpLP1	-0.06558	0.065582	1	-0.118741	311.05	282.429
FBgn00340	36787	CG10734	-0.06551	0.065508	1	-0.110976	224.736	205.16
FBgn02672	19835024	CR45653	0.065453	0.065453	1	0.416531	9.77151	12.8742
FBgn00027	39625	mnd	0.065438	0.065438	1	0.202795	12.5381	14.2278
FBgn00406	50152	CG11373	-0.06543	0.065433	1	-0.231056	71.1818	59.776
FBgn00033	32536	sd	0.065431	0.065431	1	0.140602	12.4346	13.5143
FBgn02657	19834767	CR44582	-0.06543	0.065431	1	-0.502113	5.96743	4.1393
FBgn00379	41381	dpr5	-0.06539	0.06539	1	-0.638678	1.29784	0.815611
FBgn02591	34665	bun	0.06532	0.06532	1	0.103444	34.1056	36.1242
FBgn00407	50236	CG18336	-0.06528	0.065284	1	-0.20655	46.4555	39.6837
FBgn00117	32120	PhKgamma	0.065274	0.065274	1	0.127051	49.1418	52.9092
FBgn02607	8674031	CG42556	-0.06527	0.065268	1	-0.137883	96.7385	86.6779
FBgn00375	40943	CG2781	0.065245	0.065245	1	0.169702	28.2996	31.3841
FBgn00863	42890	Orct2	0.065228	0.065228	1	0.298535	3.95471	4.79695
FBgn00500	36156	CG30020	0.065217	0.065217	1	0.177273	10.2349	11.4103
FBgn00526	32352	AMPdeam	0.06513	0.06513	1	0.116385	37.1614	39.7155

FBgn00435	35862	PGRP-SC2	0.065115	0.065115	1	0.302919	13.7542	16.7346
FBgn00398	43667	CG15548	-0.0651	0.065103	1	-0.173493	22.4436	19.6181
FBgn00323	34588	CG14931	-0.06506	0.065058	1	-0.24537	21.1536	17.5876
FBgn00039	38657	vn	0.065036	0.065036	1	0.265803	2.7865	3.30369
FBgn00056	36076	Hdc	-0.06502	0.065019	1	-0.337268	2.55826	1.99444
FBgn00379	41459	GCC185	0.065011	0.065011	1	0.16749	14.3782	15.9209
FBgn00372	40595	CG17387	-0.06493	0.064927	1	-0.170856	19.7963	17.3358
FBgn00153	44172	RabX1	0.064926	0.064926	1	0.226357	13.9033	16.0375
FBgn00303	32089	Sk1	-0.06488	0.064877	1	-0.224024	9.68161	8.17023
FBgn00524	40495	SPoCk	-0.06476	0.064756	1	-0.116471	32.075	29.1696
FBgn00504	35692	CG30499	-0.06469	0.064694	1	-0.181712	47.5073	41.2897
FBgn00001	44279	arr	0.064668	0.064668	1	0.182228	7.28861	8.15361
FBgn00283	37261	isopeptidas	-0.06465	0.064646	1	-0.150088	35.7802	31.7885
FBgn00231	36915	RhoGEF2	0.064557	0.064557	1	0.119914	23.8614	25.5639
FBgn00390	42735	CenB1A	0.06453	0.06453	1	0.172037	14.94	16.5953
FBgn00378	41295	Art1	0.064524	0.064524	1	0.196365	22.7293	25.6776
FBgn00272	32940	l(1)G0156	-0.0645	0.064503	1	-0.126837	82.7986	74.7588
FBgn02618	3771968	Msp300	0.064402	0.064402	1	0.0925791	11.3027	11.8818
FBgn00343	37157	List	-0.0644	0.064399	1	-0.231491	13.449	11.2906
FBgn00288	34907	CG4161	-0.06437	0.064366	1	-0.138366	62.1747	55.69
FBgn00337	36356	CG8834	0.064355	0.064355	1	0.116651	123.991	132.538
FBgn00366	39895	CG11905	-0.06434	0.064335	1	-0.507559	0.838269	0.57919
FBgn00378	41278	CG14683	0.064309	0.064309	1	0.179472	30.3898	33.9314
FBgn00369	40183	hale	-0.06409	0.064092	1	-0.194382	29.4742	25.3918
FBgn00261	43918	noe	-0.06409	0.064089	1	-0.186223	42.9879	37.2447
FBgn00322	34388	CG4972	0.063971	0.063971	1	0.139084	52.5117	57.0112
FBgn02633	42710	Nha2	0.063961	0.063961	1	0.214091	9.51749	10.8853
FBgn00041	38009	Ebp	-0.06395	0.063948	1	-0.0829645	1205.87	1122.42
FBgn00383	41954	sxe2	-0.06377	0.063769	1	-0.197594	21.1628	18.1909
FBgn00288	34942	CG12448	-0.06369	0.063695	1	-0.149031	72.4305	64.3972
FBgn00381	41702	CG9925	0.063675	0.063675	1	0.465877	1.05374	1.43756
FBgn00346	37500	CG9304	0.063652	0.063652	1	0.200013	11.6418	13.1853
FBgn00396	43453	jus	-0.06359	0.063594	1	-0.165586	13.9504	12.2613
FBgn00354	38415	CG14969	0.063538	0.063538	1	0.186005	24.6962	27.6996

FBgn00539	3885642	CG33966	-0.06353	0.063527	1	-0.3287	8.84646	6.93833
FBgn00531	37161	Hs3st-A	-0.0635	0.063498	1	-0.190837	7.45201	6.43571
FBgn00354	38437	CG10862	-0.06349	0.063489	1	-0.151487	73.3946	65.1431
FBgn02834	38654	S6k	0.063382	0.063382	1	0.135682	24.1636	26.1722
FBgn00026	34954	twe	-0.06329	0.063289	1	-0.166705	26.965	23.6817
FBgn00297	31461	CG15784	-0.06328	0.063283	1	-0.108721	110.229	100.785
FBgn00396	43501	Kul	0.063272	0.063272	1	0.163254	7.94164	8.76791
FBgn00336	36270	ERp60	0.063214	0.063214	1	0.103807	209.588	222.049
FBgn00328	35264	CG10463	0.063168	0.063168	1	0.330023	4.19777	5.20504
FBgn00308	32747	CG12990	0.063167	0.063167	1	0.141253	43.3449	47.1298
FBgn02628	12797967	CR43212	-0.06316	0.063161	1	-0.412402	5.12596	3.78992
FBgn00318	33979	sip2	-0.06316	0.063159	1	-0.11022	129.594	118.367
FBgn00263	38208	RpL23A	-0.06315	0.063145	1	-0.123074	185.259	167.707
FBgn00278	37116	Dp1	0.063106	0.063106	1	0.103263	55.5932	58.8762
FBgn00284	33932	CG11070	0.063026	0.063026	1	0.148463	24.8135	27.1155
FBgn00511	318622	CG31198	0.063023	0.063023	1	0.0926091	237.051	249.203
FBgn00364	39613	CG9425	0.062936	0.062936	1	0.151177	9.0945	9.95695
FBgn00204	42059	Dad	0.062878	0.062878	1	0.170001	13.5972	15.0823
FBgn00363	39513	cmb	0.06282	0.06282	1	0.124308	29.4667	31.6654
FBgn00365	39748	CG5830	0.062722	0.062722	1	0.140559	28.2156	30.6647
FBgn02508	40612	CG2016	-0.06271	0.062709	1	-0.32346	7.31551	5.75871
FBgn00501	37134	GEFmeso	-0.0627	0.062704	1	-0.155441	11.4216	10.1097
FBgn00339	36569	CG8331	0.062663	0.062663	1	0.126492	96.4056	103.756
FBgn02604	8674082	CG42523	-0.06265	0.062652	1	-0.131825	142.414	128.141
FBgn00854	5740252	Not1	0.062594	0.062594	1	0.0935064	60.0404	63.1574
FBgn00039	42034	Ubx	0.062557	0.062557	1	0.259819	3.53914	4.17859
FBgn00393	43050	CG11878	0.062556	0.062556	1	0.107732	227.022	241.174
FBgn02660	44531	rg	0.062523	0.062523	1	0.133612	5.95778	6.44378
FBgn00297	31456	SK	-0.0624	0.0624	1	-0.151485	7.89696	7.00914
FBgn00365	39714	CG7579	-0.06238	0.062376	1	-0.260557	10.719	8.81791
FBgn00393	43081	CG5116	0.062353	0.062353	1	0.188236	14.9068	16.7457
FBgn00002	33692	Cf2	-0.06235	0.062348	1	-0.15438	18.6945	16.5594
FBgn00016	48481	Grip91	0.062228	0.062228	1	0.224693	6.33844	7.30299
FBgn00275	43413	CG14526	0.062165	0.062165	1	0.149513	34.6415	37.8829

FBgn00406	50133	CG13551	-0.06214	0.062135	1	-0.206913	52.0773	44.4744
FBgn00247	43864	RpL10	0.06211	0.06211	1	0.0843649	1027.13	1073.63
FBgn00430	37451	MESK2	0.062094	0.062094	1	0.123456	35.7798	38.4269
FBgn00373	40720	CG10979	0.062047	0.062047	1	0.183444	8.83128	9.88771
FBgn00372	40568	CG14651	0.062031	0.062031	1	0.204264	8.74061	9.92873
FBgn00320	34223	CG9555	-0.06201	0.06201	1	-0.318556	7.41258	5.85521
FBgn00332	35709	DCTN4-p62	0.061997	0.061997	1	0.235485	11.0945	12.8792
FBgn00369	40147	CG8765	0.061974	0.061974	1	0.177596	14.7514	16.4491
FBgn02620	10178913	CG42847	0.061968	0.061968	1	0.165257	70.044	77.4392
FBgn02660	42058	Patr-1	0.061956	0.061956	1	0.173918	11.3303	12.6021
FBgn00536	39127	CNMaR	-0.06194	0.061936	1	-0.374606	2.77655	2.1084
FBgn00397	43588	CG1983	0.061881	0.061881	1	0.226528	13.9209	16.0598
FBgn00003	47767	crc	0.061865	0.061865	1	0.0853467	332.72	348.02
FBgn00264	40598	Hus1-like	0.061837	0.061837	1	0.428254	3.52042	4.67684
FBgn00289	34933	CG13243	-0.0618	0.061796	1	-0.133632	89.618	80.5349
FBgn00301	31919	CG15247	-0.0618	0.061795	1	-0.253201	9.14135	7.55877
FBgn00242	49638	drm	0.061792	0.061792	1	0.161244	21.9432	24.1925
FBgn00141	32119	bif	0.061757	0.061757	1	0.145961	9.80558	10.6967
FBgn00003	47091	comt	-0.06173	0.06173	1	-0.145475	31.4637	28.0432
FBgn02625	12798468	CG43101	0.061717	0.061717	1	0.134061	291.248	315.105
FBgn00202	40999	stck	0.061518	0.061518	1	0.144784	56.0347	61.0772
FBgn00104	49080	epsilonTry	-0.06146	0.06146	1	-0.227517	30.5872	25.7493
FBgn00103	40506	Arf79F	0.06144	0.06144	1	0.0998102	173.808	183.632
FBgn00327	35174	CG10470	0.061427	0.061427	1	0.18954	52.5985	59.1403
FBgn02619	31579	kdn	0.061395	0.061395	1	0.116922	71.0362	75.9469
FBgn00522	40229	Pex23	0.061371	0.061371	1	0.185308	8.76056	9.82123
FBgn00289	36964	CG14478	0.061352	0.061352	1	0.149281	18.2775	19.9844
FBgn00311	33036	CG15459	-0.06132	0.061322	1	-0.452163	4.5912	3.30002
FBgn00365	39691	CG7656	-0.06129	0.061287	1	-0.188277	19.8932	17.2107
FBgn00315	33610	Cep97	-0.06127	0.061268	1	-0.145199	32.4768	28.9517
FBgn02599	8674085	Sfp33A1	-0.06115	0.061149	1	-0.287988	38.6504	31.191
FBgn00284	34624	JhI-21	0.061031	0.061031	1	0.190444	15.2537	17.1616
FBgn00309	32815	CG6123	-0.06099	0.060987	1	-0.278509	2.41234	1.95973
FBgn00393	43041	Nup358	0.060972	0.060972	1	0.118287	22.0977	23.6476

FBgn00852	5740183	CG34236	-0.06092	0.060917	1	-0.22204	28.4834	24.0698
FBgn00362	39339	CG7264	-0.06087	0.060872	1	-0.166672	36.0504	31.6614
FBgn00341	36821	Atg9	0.060856	0.060856	1	0.192065	12.3967	13.9629
FBgn00319	34036	Cyp4d21	0.060828	0.060828	1	0.185685	21.3474	23.9383
FBgn00374	40804	CG2336	-0.06082	0.060821	1	-0.153246	58.8689	52.1865
FBgn00390	42718	CG13833	0.060803	0.060803	1	0.220938	21.6819	24.9162
FBgn00336	36232	Sod3	-0.06072	0.060715	1	-0.199009	17.9682	15.4296
FBgn00324	34630	Pex19	0.0607	0.0607	1	0.193778	21.3776	24.1073
FBgn00383	41908	CG9589	-0.06069	0.060694	1	-0.187208	44.3078	38.3617
FBgn00013	36810	Khc	0.060687	0.060687	1	0.140166	26.2285	28.4973
FBgn02673	42620	PyK	-0.06069	0.060687	1	-0.112405	112.318	102.432
FBgn00327	35205	CG17564	-0.06066	0.06066	1	-0.153945	60.1517	53.2978
FBgn02661	36341	ana3	0.060619	0.060619	1	0.200304	4.91615	5.56908
FBgn02649	33405	CG4267	0.060605	0.060605	1	0.204996	13.2279	15.0336
FBgn00354	38480	Dpy-30L2	-0.0606	0.060598	1	-0.180429	81.7618	71.1239
FBgn00839	318066	CG34120	0.060572	0.060572	1	0.117731	25.1101	26.861
FBgn00321	34268	Oatp30B	-0.06054	0.060537	1	-0.114539	41.4134	37.7125
FBgn00531	50068	CG33111	0.06047	0.06047	1	0.172712	16.5733	18.4182
FBgn00407	50190	Nplp4	-0.06047	0.060466	1	-1.14421	1.68525	0.719838
FBgn00402	42789	eIF3d1	0.060441	0.060441	1	0.148674	39.2084	42.8521
FBgn00312	33252	CG3544	-0.06041	0.060411	1	-0.159251	16.069	14.1856
FBgn00355	38592	ATPsynCF6	-0.06021	0.060209	1	-0.231616	37.5717	31.5386
FBgn00347	37558	CG6044	-0.06019	0.060193	1	-0.221639	16.2261	13.7157
FBgn00356	38659	CG18586	0.06016	0.06016	1	2.09283	0.0271681	0.157109
FBgn02655	19834921	CR44407	0.06016	0.06016	1	2.09283	0.0878565	0.508059
FBgn00520	317835	CG32040	-0.06016	0.060155	1	-0.362846	5.8508	4.47979
FBgn00516	318887	CG31693	-0.06007	0.060068	1	-0.155766	34.7939	30.7903
FBgn00034	45931	spir	-0.05996	0.059956	1	-0.133037	19.5223	17.5509
FBgn00298	31519	Usp30	-0.05994	0.059939	1	-0.16699	24.5762	21.5793
FBgn00345	37322	lms	0.059935	0.059935	1	0.200689	14.9854	16.9802
FBgn00357	38836	Tsp66A	0.059917	0.059917	1	0.148051	31.1714	34.0536
FBgn02678	26067445	asRNA:CR4	0.059876	0.059876	1	0.334651	18.6059	23.1456
FBgn00359	39084	CG3982	-0.05985	0.059852	1	-0.107209	206.036	188.581
FBgn00007	33148	fog	0.059764	0.059764	1	0.180296	6.36705	7.11315

FBgn00159	37734	apt	0.059763	0.059763	1	0.205062	7.71151	8.76462
FBgn00284	42806	Hrd3	0.059755	0.059755	1	0.126754	41.8364	45.0345
FBgn02674	26067150	asRNA:CR4	-0.0597	0.059697	1	-0.387928	7.75558	5.83404
FBgn00328	35309	CG10947	-0.05956	0.05956	1	-0.186342	13.9848	12.1153
FBgn00363	39452	CG17666	-0.05953	0.059525	1	-0.114081	77.8546	70.9196
FBgn02633	41666	sqd	0.059514	0.059514	1	0.0927625	73.1624	76.9209
FBgn00365	39777	MED10	0.059505	0.059505	1	0.20433	44.9787	51.0952
FBgn02665	41840	Hsc70-4	0.059408	0.059408	1	0.0791948	591.924	616.507
FBgn00334	36026	CG12923	-0.05936	0.059362	1	-0.166452	32.5419	28.5843
FBgn00160	44978	Tom40	0.05932	0.05932	1	0.166758	22.0711	24.4268
FBgn00339	36577	CG8468	-0.05925	0.059255	1	-0.185944	10.8601	9.41089
FBgn00501	246510	CG30192	-0.05925	0.059248	1	-0.250562	51.6621	42.7966
FBgn00056	43749	faf	0.059223	0.059223	1	0.110542	22.5385	23.9902
FBgn00223	37987	CG3760	-0.05921	0.059208	1	-0.242	16.7326	13.9443
FBgn00352	38178	pns	0.059207	0.059207	1	0.146435	14.1517	15.4429
FBgn00375	40918	Sp7	0.059105	0.059105	1	0.198277	13.1296	14.8524
FBgn02648	14462402	asRNA:CR4	-0.05909	0.059094	1	-0.725328	0.667601	0.393507
FBgn00368	40124	CG9279	-0.05905	0.059054	1	-0.10494	57.9674	53.1399
FBgn02648	14462492	CR44048	0.059031	0.059031	1	0.481399	3.09277	4.26614
FBgn00342	37052	CG10910	0.058927	0.058927	1	0.117132	92.0788	98.4585
FBgn00115	34333	Trp1	0.058865	0.058865	1	0.10719	108.535	115.258
FBgn02647	14462907	asRNA:CR4	0.058789	0.058789	1	0.254114	9.04689	10.6392
FBgn00337	36393	ZnT49B	-0.05877	0.058767	1	-0.156749	27.9375	24.7059
FBgn00297	31369	CG15576	-0.05875	0.058746	1	-0.175801	54.5263	47.5847
FBgn00398	43681	CG15556	-0.05869	0.058685	1	-0.176707	18.6955	16.3052
FBgn02615	37433	CG42672	0.058625	0.058625	1	0.134557	13.5017	14.6127
FBgn00245	41675	flfl	0.058593	0.058593	1	0.127858	22.472	24.2084
FBgn00306	32504	CG8128	-0.05859	0.058588	1	-0.172315	29.1969	25.5418
FBgn00352	38193	ABCB7	-0.05847	0.058471	1	-0.146556	32.0136	28.5117
FBgn00248	40160	Kap-alpha1	0.058457	0.058457	1	0.122695	64.6904	69.4399
FBgn00367	39951	CG13733	-0.05841	0.058408	1	-0.150776	70.6464	62.7345
FBgn00376	41058	CG9821	0.05829	0.05829	1	0.0986852	58.6753	61.9434
FBgn00019	33835	eIF4A	0.058262	0.058262	1	0.081238	480.415	501.076
FBgn00140	33418	Rab5	0.058214	0.058214	1	0.11055	72.2388	76.8922

FBgn00336	36241	tou	0.058173	0.058173	1	0.139984	7.09746	7.71043
FBgn00335	36098	Prx2540-2	-0.05816	0.058161	1	-0.250878	22.1868	18.3753
FBgn00351	38070	Hipk	0.058076	0.058076	1	0.120799	13.587	14.5653
FBgn00267	35559	Trap1	0.058044	0.058044	1	0.124749	56.1742	60.3844
FBgn00374	40870	CG1234	0.058028	0.058028	1	0.197531	12.0546	13.6293
FBgn00365	39738	CG10516	0.057987	0.057987	1	0.190131	26.07	29.3245
FBgn00116	34495	Nos	0.057855	0.057855	1	0.290582	2.05994	2.48488
FBgn00029	48971	Atpalpha	0.057838	0.057838	1	0.0803135	186.437	194.331
FBgn02664	43580	sima	0.057824	0.057824	1	0.132896	15.2329	16.4674
FBgn00315	33631	Art2	-0.05774	0.057736	1	-0.435986	3.27752	2.38291
FBgn00359	38974	GstO2	0.05772	0.05772	1	0.144824	46.5038	50.69
FBgn00523	318007	CG32391	-0.05771	0.057708	1	-0.359155	10.491	8.0534
FBgn00249	31090	CG11448	0.057694	0.057694	1	0.125938	34.9943	37.6481
FBgn00378	41372	RpL24-like	0.05757	0.05757	1	0.159916	75.5418	83.2087
FBgn00521	39978	NUCB1	0.057505	0.057505	1	0.109371	105.092	111.77
FBgn00337	36375	CG8818	-0.05749	0.057493	1	-0.161165	41.5016	36.5885
FBgn00375	40956	CG7910	0.057451	0.057451	1	0.0969241	203.174	214.228
FBgn00277	31094	CG14785	-0.05744	0.057444	1	-0.210905	17.2553	14.6951
FBgn02617	38863	Ank2	0.057417	0.057417	1	0.0908313	11.9598	12.5573
FBgn00203	34592	crol	0.057416	0.057416	1	0.112354	27.7766	29.6029
FBgn02677	26067100	CR43174	0.057411	0.057411	1	0.275311	6.42693	7.67059
FBgn00308	32737	stas	0.057407	0.057407	1	0.142788	26.8173	29.1901
FBgn00411	249663	hoe1	0.057368	0.057368	1	0.126507	27.9687	30.1016
FBgn02644	33354	CG17646	0.057302	0.057302	1	0.120169	44.1915	47.3529
FBgn00503	35832	mtt	-0.05726	0.057257	1	-0.271967	2.04335	1.66756
FBgn00517	318911	CG31717	0.057155	0.057155	1	0.213717	26.8899	30.7465
FBgn00199	33653	Gs1l	-0.0571	0.057096	1	-0.275505	11.8382	9.63713
FBgn00522	317912	Spn75F	-0.05696	0.05696	1	-0.131077	107.378	96.6662
FBgn00462	43290	CG5938	0.056804	0.056804	1	0.163329	28.5286	31.4986
FBgn02645	14462829	asRNA:CR4	-0.05677	0.056767	1	-0.201523	86.6954	74.3158
FBgn00323	34584	CG12307	-0.05675	0.056754	1	-0.150427	114.334	101.554
FBgn02636	12797893	CG43630	0.056724	0.056724	1	0.23108	78.1022	90.3886
FBgn00383	41925	Hmt-1	0.056712	0.056712	1	0.127109	41.8216	45.0297
FBgn00853	32656	CG34325	-0.05666	0.05666	1	-0.166404	45.4855	39.955

FBgn00512	318658	Tpl94D	-0.05659	0.056586	1	-0.108424	167.847	153.497
FBgn02612	34896	Cul3	-0.05657	0.05657	1	-0.0929558	93.5275	86.4541
FBgn00518	318995	CG31874	0.056534	0.056534	1	0.145227	48.1604	52.5104
FBgn00361	39273	CG6168	-0.05653	0.056534	1	-0.138683	48.4541	43.3905
FBgn00307	32671	ppk28	-0.05652	0.056525	1	-0.78586	0.711036	0.4005
FBgn00377	41145	mura	0.056518	0.056518	1	0.124503	18.4256	19.8032
FBgn00378	41262	sle	0.056514	0.056514	1	0.115762	36.3111	38.7901
FBgn02599	8674043	Sfp77F	-0.05636	0.056363	1	-0.178171	42.4604	36.9937
FBgn00338	36545	Rpn13	-0.05635	0.056351	1	-0.151569	45.0194	39.9554
FBgn00354	38443	ntc	-0.05632	0.056324	1	-0.131162	76.9811	69.2972
FBgn00265	48613	CG5704	0.056297	0.056297	1	0.277125	9.3192	11.1366
FBgn02615	10178939	CG42660	0.05625	0.05625	1	0.143272	31.2864	34.0661
FBgn02615	10178846	CG42661	0.05625	0.05625	1	0.143272	31.2864	34.0661
FBgn02629	12798569	CG43307	-0.05624	0.056241	1	-0.473867	14.6548	10.3711
FBgn00283	31598	Cdc7	-0.05621	0.056206	1	-0.135962	34.3931	30.8571
FBgn00389	42633	Nop56	0.056187	0.056187	1	0.181892	21.9936	24.5982
FBgn00315	33557	CG8840	-0.05619	0.056186	1	-0.19458	56.4821	48.6514
FBgn00377	41205	CG8507	0.056121	0.056121	1	0.150721	49.5455	54.227
FBgn00235	31121	CG32809	-0.0561	0.056105	1	-0.161958	8.02822	7.07391
FBgn00287	45249	eEF1beta	0.056065	0.056065	1	0.114433	190.07	202.859
FBgn00361	39321	crim	0.056044	0.056044	1	0.225929	27.5108	31.7247
FBgn00322	34485	CG17124	-0.0559	0.055896	1	-0.128118	43.4263	39.1744
FBgn00525	33085	CG32512	-0.05585	0.055846	1	-0.185261	16.4377	14.2509
FBgn02632	33897	Fic	-0.05583	0.055834	1	-0.214055	14.5122	12.3318
FBgn00371	40501	CG11226	-0.05582	0.05582	1	-0.178864	41.2435	35.9161
FBgn02591	43148	fid	-0.05575	0.055746	1	-0.284503	2.33029	1.8851
FBgn00157	33952	nrv1	0.055686	0.055686	1	0.0949016	185.424	195.239
FBgn02507	7354465	CG42232	0.055641	0.055641	1	0.121077	13.2873	14.2468
FBgn00242	43974	trio	0.055627	0.055627	1	0.116791	14.8482	15.8733
FBgn00857	5740740	28SrRNA-P:	0.055594	0.055594	1	0.197921	10.7318	12.1371
FBgn00333	35918	CG8080	-0.05558	0.055581	1	-0.208917	15.8724	13.536
FBgn00396	43420	wat	0.055488	0.055488	1	0.120115	65.3222	69.9928
FBgn00355	38517	CG1265	-0.05548	0.055477	1	-0.193256	44.0271	37.958
FBgn00275	35627	pgant3	0.055429	0.055429	1	0.192039	11.2325	12.6516

FBgn00352	38206	CG7971	-0.05543	0.055426	1	-0.134424	16.701	15
FBgn00367	39994	CG7402	-0.05539	0.055393	1	-0.320902	5.40276	4.26044
FBgn00219	37661	l(2)k09913	-0.05537	0.055372	1	-0.142528	37.1485	33.1776
FBgn00378	41326	CG4706	-0.05537	0.055366	1	-0.118533	65.9079	59.8517
FBgn02597	33903	mmy	0.055363	0.055363	1	0.142993	36.5096	39.7457
FBgn02629	12798081	CG43267	-0.05533	0.055335	1	-0.336851	25.5541	19.9266
FBgn02632	45826	bel	-0.05533	0.055329	1	-0.107287	62.7224	57.4052
FBgn00112	39484	RpS4	0.055299	0.055299	1	0.0873677	421.205	441.191
FBgn00336	36304	Prp8	0.055251	0.055251	1	0.124102	17.5613	18.869
FBgn00514	40925	sgll	-0.05524	0.055239	1	-0.171302	38.8107	33.9758
FBgn00408	50323	CG15210	-0.05518	0.05518	1	-0.223426	40.5456	34.2293
FBgn00387	42360	CG4572	-0.05509	0.055091	1	-0.10813	127.359	116.494
FBgn02675	26067187	28SrRNA-P:	0.055088	0.055088	1	0.18829	12.6882	14.254
FBgn00526	31899	LPCAT	0.055079	0.055079	1	0.160679	16.2329	17.8898
FBgn00305	32345	CG10996	-0.05507	0.055071	1	-0.201943	25.7378	22.056
FBgn00371	40497	CG14448	-0.05505	0.05505	1	-0.1762	57.9504	50.5586
FBgn00365	39759	ClC-c	0.05502	0.05502	1	0.127189	29.9893	32.2915
FBgn00649	42575	CG31178	-0.05497	0.054968	1	-0.111784	176.163	160.727
FBgn00359	39082	CG4022	0.054927	0.054927	1	0.204305	6.12174	6.95412
FBgn02615	35098	RpS26	-0.05484	0.054841	1	-0.136621	54.4645	48.8425
FBgn00155	34162	Acp29AB	-0.05482	0.054817	1	-0.179882	57.4259	49.9727
FBgn00112	49090	RyR	0.054774	0.054774	1	0.122508	8.23604	8.83957
FBgn00394	43279	CG17991	-0.05476	0.054763	1	-0.139753	88.4375	79.1364
FBgn02628	12797860	CG43209	-0.05476	0.054756	1	-0.26719	42.4614	34.7677
FBgn00319	34114	CG8475	0.054721	0.054721	1	0.112503	33.8355	36.0638
FBgn00141	35287	barr	0.054691	0.054691	1	0.184344	12.402	13.8944
FBgn00513	41728	CG31326	0.054687	0.054687	1	0.140825	47.1338	51.2344
FBgn00034	44014	sol	-0.05457	0.05457	1	-0.190172	6.56787	5.67466
FBgn00256	31396	CG3062	-0.05453	0.054532	1	-0.288758	13.8147	11.1422
FBgn00322	34432	holn1	0.054524	0.054524	1	0.22501	17.1528	19.7676
FBgn00512	318637	CG31230	-0.05451	0.054514	1	-0.285678	32.0845	25.9333
FBgn02604	34030	Ziz	0.054481	0.054481	1	0.124983	14.3286	15.405
FBgn00518	34938	CG31821	-0.05445	0.054448	1	-0.256564	12.1544	10.0263
FBgn00345	37377	dgt3	0.054443	0.054443	1	0.342285	3.81207	4.7677

FBgn02598	5740636	CG34309	-0.05431	0.054312	1	-0.272816	25.3002	20.6346
FBgn00352	38177	CG12091	-0.05429	0.054295	1	-0.134512	55.2924	49.6576
FBgn00678	43984	Sdic1	-0.05409	0.054087	1	-0.231806	10.6579	8.94508
FBgn00117	40462	Hem	0.054055	0.054055	1	0.158485	14.8567	16.3483
FBgn00520	326194	CG32081	-0.05404	0.054037	1	-0.107578	149.758	137.034
FBgn02661	19835905	CRG	-0.05401	0.05401	1	-0.133212	40.5066	36.4114
FBgn00345	37366	CG9235	-0.05395	0.053953	1	-0.206727	27.1228	23.1655
FBgn00300	31797	spirit	0.05388	0.05388	1	0.372519	3.35828	4.29014
FBgn00360	39115	CG3088	-0.05386	0.053862	1	-0.142953	102.545	91.5564
FBgn00312	33182	mRpL10	-0.05385	0.053852	1	-0.256789	18.9996	15.6705
FBgn02596	44915	DNApol-alp	0.053845	0.053845	1	0.612207	0.935875	1.41763
FBgn02665	47141	ebo	0.053825	0.053825	1	0.160082	12.9556	14.2721
FBgn00339	36670	Lap1	0.053805	0.053805	1	0.165362	10.654	11.7797
FBgn00331	35693	Vps13	0.053782	0.053782	1	0.105187	22.5212	23.883
FBgn00028	33817	Acp26Aa	-0.05378	0.053776	1	-0.115447	185.01	168.369
FBgn00692	41177	eca	0.053768	0.053768	1	0.157055	60.6689	66.6939
FBgn00870	5740294	CG41520	-0.05366	0.053658	1	-0.185403	12.9354	11.2134
FBgn00300	31770	CG1387	-0.0536	0.053599	1	-0.142509	25.1201	22.4351
FBgn00299	31670	CG15034	-0.05356	0.053557	1	-0.15968	48.6838	42.9645
FBgn00141	36307	Oda	0.053509	0.053509	1	0.0744459	588.192	610.607
FBgn00313	33331	CG18131	-0.05346	0.053461	1	-0.169262	28.0043	24.5504
FBgn00297	31434	CG15465	0.053398	0.053398	1	0.125099	6.22426	6.69239
FBgn00365	39772	CG5151	0.053349	0.053349	1	0.163336	6.66184	7.35541
FBgn00301	31897	RpS28b	-0.05333	0.053325	1	-0.0912886	477.261	441.676
FBgn00012	44291	Idh	-0.05326	0.053259	1	-0.0933439	171.066	158.086
FBgn02649	14462669	asRNA:CR4	0.053198	0.053198	1	0.181773	46.2276	51.6978
FBgn00053	44021	nmd	0.05318	0.05318	1	0.156872	33.1285	36.4138
FBgn00369	40177	Grasp65	-0.05314	0.053137	1	-0.261349	9.08318	7.46776
FBgn02625	8673982	CG43127	0.053133	0.053133	1	0.264445	18.883	22.3672
FBgn00334	36045	oys	0.05312	0.05312	1	0.10131	55.2703	58.455
FBgn00377	41227	CG11722	-0.05311	0.053109	1	-0.254671	22.5703	18.643
FBgn00519	319042	CG31949	-0.05309	0.053089	1	-0.155791	82.4292	72.9425
FBgn00032	43349	RpL4	0.05308	0.05308	1	0.12224	92.5761	99.3415
FBgn00275	36668	Kank	-0.05307	0.05307	1	-0.123658	18.294	16.554

FBgn00311	33066	CG1314	-0.05299	0.052993	1	-0.176627	31.9509	27.867
FBgn00314	33427	VGlut	-0.05299	0.052992	1	-0.158395	9.97146	8.80789
FBgn00116	326108	EbpII	-0.05292	0.052917	1	-0.101594	465.715	427.921
FBgn00319	34116	PGAP5	-0.05291	0.052908	1	-0.190246	22.4016	19.354
FBgn00263	36706	SRPK	0.052895	0.052895	1	0.117183	27.124	29.0043
FBgn00391	42809	CG10217	0.052882	0.052882	1	0.155263	25.8397	28.3705
FBgn00249	33499	Ts	-0.05287	0.052872	1	-0.520812	2.60299	1.78112
FBgn00020	36420	AspRS	0.052854	0.052854	1	0.126797	49.9561	53.7766
FBgn00320	34211	Tsp29Fa	-0.05282	0.052817	1	-0.126308	90.0566	81.341
FBgn00343	37153	CG15071	0.052817	0.052817	1	0.587598	2.37507	3.53451
FBgn00308	32793	CG7135	-0.05275	0.052745	1	-0.264323	10.4229	8.55139
FBgn00339	36642	CG12857	0.052723	0.052723	1	0.180044	23.6461	26.4125
FBgn00370	40274	CG18281	-0.05269	0.05269	1	-0.150369	42.9374	38.1392
FBgn00312	33220	shv	0.052664	0.052664	1	0.160085	35.6178	39.2374
FBgn00390	42706	CG4704	-0.05264	0.052642	1	-0.190671	16.8466	14.5504
FBgn00839	326250	CG34148	0.052601	0.052601	1	0.171177	72.2044	80.1568
FBgn00500	246386	GstT2	0.052568	0.052568	1	0.215982	25.2987	28.9728
FBgn02677	26067406	asRNA:CR4	0.052507	0.052507	1	0.17642	7.81152	8.70347
FBgn00388	42548	CG15498	-0.05247	0.052469	1	-0.194094	30.2967	26.1049
FBgn00286	40174	Rpn1	0.052443	0.052443	1	0.123881	39.9222	42.8885
FBgn00157	38629	Msr-110	-0.0523	0.052305	1	-0.0803611	291.538	271.853
FBgn00307	32548	MSBP	0.05226	0.05226	1	0.0895402	300.211	314.93
FBgn00301	31866	CG12121	0.052227	0.052227	1	0.125479	39.0648	42.0139
FBgn00382	41826	CG6752	-0.05222	0.05222	1	-0.109606	46.1058	42.1293
FBgn00242	32721	Fim	0.052218	0.052218	1	0.107114	48.5734	51.5793
FBgn00316	33750	CG7742	-0.05211	0.052113	1	-0.122886	61.4939	55.6746
FBgn00396	43483	CG1907	0.052108	0.052108	1	0.174854	24.8769	27.6873
FBgn00392	42952	Ets96B	-0.05206	0.052059	1	-0.270895	4.61279	3.76717
FBgn00854	35588	Epac	-0.05201	0.052007	1	-0.159875	7.30843	6.44896
FBgn00033	36171	shn	0.051945	0.051945	1	0.128337	9.63887	10.3871
FBgn00133	42822	TfIIA-S	0.05194	0.05194	1	0.182894	57.3257	64.1592
FBgn00340	36689	CG8079	0.051933	0.051933	1	0.185795	10.2994	11.5503
FBgn00334	36056	CG2269	-0.05188	0.05188	1	-0.116235	40.3288	36.6814
FBgn00523	38823	SMSr	-0.05187	0.051871	1	-0.138999	34.5463	30.9291

FBgn00315	33564	CG3246	0.051831	0.051831	1	0.182484	23.5187	26.3148
FBgn00028	44839	mud	0.051751	0.051751	1	0.10681	23.1174	24.5429
FBgn02664	19835533	asRNA:CR4	-0.05174	0.051739	1	-0.431693	6.63931	4.84148
FBgn00352	38216	CG18171	-0.0517	0.051703	1	-0.141604	33.1532	29.6282
FBgn00867	44059	RpL30	-0.05159	0.051593	1	-0.128395	142.768	128.764
FBgn00306	32525	CG8952	0.051549	0.051549	1	0.163615	53.9176	59.5426
FBgn00318	33971	Fgop2	-0.05152	0.051518	1	-0.151432	33.3733	29.622
FBgn00152	36748	Diap2	-0.05149	0.05149	1	-0.133473	47.2868	42.4984
FBgn00039	38456	Ubi-p63E	0.051484	0.051484	1	0.0666666	874.091	902.521
FBgn00321	34351	Ripalpha	-0.05148	0.051478	1	-0.228201	17.8015	14.9782
FBgn00275	38262	CG1927	0.051455	0.051455	1	0.116157	121.245	129.558
FBgn00161	43792	CaMKI	-0.05129	0.051292	1	-0.0902076	130.474	120.836
FBgn00386	42315	CG3581	-0.05129	0.051289	1	-0.115486	158.333	144.088
FBgn00357	38763	CG9953	0.051278	0.051278	1	0.126824	59.7826	64.3558
FBgn00383	41863	CG6218	-0.05127	0.051268	1	-0.139166	42.0623	37.6537
FBgn00288	43165	Dak1	0.051226	0.051226	1	0.162033	41.4091	45.679
FBgn00317	33766	CG12512	-0.05119	0.051191	1	-0.173707	22.2967	19.4863
FBgn00344	37185	sano	-0.05112	0.051124	1	-0.234893	4.02159	3.368
FBgn00366	39863	CG13032	-0.0511	0.051102	1	-0.125964	55.1936	49.8638
FBgn00354	38490	Chd64	0.051085	0.051085	1	0.0968583	204.633	215.757
FBgn00513	41576	CG31345	-0.05106	0.051057	1	-0.397802	6.24518	4.66477
FBgn02614	37121	slim	0.051034	0.051034	1	0.119733	42.6711	45.7099
FBgn00380	41537	CG5538	-0.05098	0.050982	1	-0.0882794	361.507	335.251
FBgn00301	31856	CG12106	-0.05097	0.050967	1	-0.184325	28.2727	24.5271
FBgn00370	40316	CG10588	-0.05089	0.050886	1	-0.139274	23.3375	20.8899
FBgn00284	53573	Ilk	0.050858	0.050858	1	0.134955	39.305	42.551
FBgn00393	43066	CG10562	0.050793	0.050793	1	0.156392	35.9646	39.5181
FBgn00268	43796	Thd1	0.050734	0.050734	1	0.113559	12.004	12.8039
FBgn00375	40941	CD98hc	0.050718	0.050718	1	0.116105	61.2894	65.4893
FBgn00140	42438	Sep-02	0.050662	0.050662	1	0.168759	25.8957	28.6996
FBgn00112	37754	l(2)not	-0.05055	0.050552	1	-0.307557	6.3805	5.07864
FBgn00307	32563	CG9170	-0.05054	0.050543	1	-0.174316	10.2023	8.91252
FBgn00278	39390	CAH2	0.050539	0.050539	1	0.110095	92.4397	98.3634
FBgn00003	34974	chif	0.050421	0.050421	1	0.137094	10.5957	11.4878

FBgn00389	42655	CG5326	-0.05041	0.050414	1	-0.147669	42.5306	37.8487
FBgn00160	39122	fry	0.050406	0.050406	1	0.109744	15.0025	15.96
FBgn00310	32917	CG7992	-0.05038	0.050375	1	-0.186128	22.1237	19.1686
FBgn00526	31980	CG32687	-0.05037	0.050367	1	-0.139827	30.2966	27.1087
FBgn00166	43560	Nlp	-0.05032	0.050321	1	-0.149762	63.8522	56.7405
FBgn00304	32208	CG1824	-0.05031	0.050305	1	-0.202319	11.9694	10.2543
FBgn00219	44390	RFeSP	-0.05023	0.050226	1	-0.177589	37.9542	33.0807
FBgn00317	33869	CG13989	-0.0501	0.0501	1	-0.252554	20.1313	16.6528
FBgn00264	34251	Eaat1	0.050071	0.050071	1	0.110197	54.8602	58.3799
FBgn00535	3346177	CG33506	0.050026	0.050026	1	0.238592	15.5748	18.1196
FBgn00378	41360	CG5214	-0.04996	0.049956	1	-0.10877	107.003	97.8305
FBgn00519	319052	CG31975	0.049901	0.049901	1	0.34659	2.93696	3.68438
FBgn00519	326181	ovm	0.049901	0.049901	1	0.34659	2.93696	3.68438
FBgn00523	326208	CG32344	0.049888	0.049888	1	0.214873	8.17476	9.35481
FBgn00852	5740108	CG34188	0.049865	0.049865	1	0.207672	29.9456	34.0972
FBgn00363	39543	CG17364	-0.04981	0.049812	1	-0.221504	4.34223	3.67064
FBgn02652	45668	Vha68-1	-0.04971	0.049711	1	-0.118143	53.8162	48.8841
FBgn02509	31472	CG34434	0.049706	0.049706	1	0.129891	56.8629	61.3431
FBgn00858	5740375	28SrRNA-P:	0.049704	0.049704	1	0.237677	18.7966	21.8539
FBgn00264	44748	NiPp1	0.049646	0.049646	1	0.22935	13.6869	15.8211
FBgn00302	32041	CG2076	-0.04954	0.049541	1	-0.136235	60.574	54.3356
FBgn00328	35335	TM9SF2	0.04954	0.04954	1	0.103747	75.5726	80.0623
FBgn00117	31405	ctp	0.049487	0.049487	1	0.0874739	93.6325	98.0823
FBgn00388	42475	Ktl	-0.04945	0.049454	1	-0.174394	15.3523	13.4107
FBgn00249	42350	GluClalpha	-0.04943	0.049431	1	-0.122721	18.9653	17.1725
FBgn00316	33693	CG3008	0.049416	0.049416	1	0.151052	26.2461	28.7327
FBgn02592	36488	CG42321	0.049223	0.049223	1	0.0999066	26.7516	28.2655
FBgn00309	32888	CG7378	0.049093	0.049093	1	0.122559	29.969	32.1663
FBgn00378	41285	tomboy20	-0.04908	0.049076	1	-0.133811	138.706	124.631
FBgn00342	37053	CG5773	-0.04901	0.049012	1	-0.204268	21.2289	18.1624
FBgn00612	32630	Nup153	0.049006	0.049006	1	0.127994	12.2949	13.2462
FBgn00358	38883	Srp9	0.048878	0.048878	1	0.204462	30.279	34.4001
FBgn00315	33528	ND-B14.5B	-0.04881	0.048815	1	-0.199294	40.1772	34.4929
FBgn00270	32539	ArgRS	0.048801	0.048801	1	0.180229	16.4625	18.3909

FBgn00103	47249	woc	-0.04874	0.048739	1	-0.147445	11.0445	9.83015
FBgn00374	40867	CG14605	-0.04873	0.04873	1	-0.142486	50.5129	45.1143
FBgn02647	41893	CG44014	0.04871	0.04871	1	0.112185	182.518	194.495
FBgn00860	5740210	snoRNA:M	-0.04866	0.048662	1	-0.482281	55.2323	38.8485
FBgn00254	39961	CycT	0.048654	0.048654	1	0.115311	22.0541	23.5524
FBgn00043	39682	CrebA	0.048651	0.048651	1	0.142999	15.3684	16.7307
FBgn00319	34087	pes	0.048635	0.048635	1	0.131972	23.1288	24.9871
FBgn00155	40901	alpha-Est7	0.048588	0.048588	1	0.110514	80.4833	85.6657
FBgn00869	41749	FBgn00869	0.048582	0.048582	1	0.124969	10.8748	11.6916
FBgn02673	40879	rn	-0.04853	0.048535	1	-0.367292	1.14808	0.87621
FBgn00386	42296	CG5835	0.048477	0.048477	1	0.185709	23.9377	26.8436
FBgn00045	32604	Fur2	0.048446	0.048446	1	0.147495	9.6726	10.5629
FBgn00521	317904	CG32192	-0.04839	0.048392	1	-0.103678	221.416	203.152
FBgn00853	5740331	CG34291	0.048365	0.048365	1	0.294286	36.034	43.581
FBgn02619	33285	mtRNApol	0.048292	0.048292	1	0.171202	8.5459	9.4873
FBgn00347	37564	rad50	0.048264	0.048264	1	0.145345	16.0202	17.4687
FBgn00336	36234	Smyd4-3	0.048216	0.048216	1	0.28794	4.66854	5.62137
FBgn00327	35128	Jwa	0.048147	0.048147	1	0.108913	148.743	158.145
FBgn00235	31195	Nmd3	0.048128	0.048128	1	0.173962	21.4566	23.8659
FBgn00345	37329	CG9945	0.048111	0.048111	1	0.180844	16.6035	18.5564
FBgn00368	40053	Grx1	0.04811	0.04811	1	0.159067	71.3942	78.5941
FBgn00866	3771757	snoRNA:Psi	0.048097	0.048097	1	0.15473	384.923	422.468
FBgn00367	39945	CG12229	-0.04809	0.048088	1	-0.102663	114.958	105.55
FBgn00363	39479	AdenoK	0.048012	0.048012	1	0.140735	37.6009	40.8697
FBgn00100	40664	Itp-r83A	0.047972	0.047972	1	0.123608	10.4837	11.2605
FBgn00369	40192	CG14183	-0.04792	0.047924	1	-0.105722	74.1509	67.9382
FBgn00341	36841	Parp16	-0.04791	0.047909	1	-0.201691	19.2115	16.4659
FBgn00317	33787	CG14017	-0.04787	0.047865	1	-0.199024	25.7311	22.0948
FBgn00385	42183	Non3	0.047862	0.047862	1	0.241055	14.552	16.9588
FBgn00352	38249	CG13937	-0.04785	0.047848	1	-0.320827	4.83835	3.81536
FBgn00034	42940	slo	-0.04782	0.04782	1	-0.11481	14.7893	13.465
FBgn02591	32487	CG42299	-0.04778	0.047775	1	-0.430729	7.49426	5.46839
FBgn00389	42590	Cchl	-0.04773	0.047734	1	-0.138303	61.0679	54.6999
FBgn00319	34029	CG6441	-0.04771	0.047713	1	-0.108991	87.7092	80.1785

FBgn00330	35569	Hsepi	0.047671	0.047671	1	0.189608	9.83337	11.057
FBgn00346	37496	CG13488	0.047647	0.047647	1	0.286456	11.3951	13.7066
FBgn00337	36327	CG13168	0.047565	0.047565	1	0.10958	104.733	111.405
FBgn00365	39724	CG12713	0.047456	0.047456	1	0.285966	7.59484	9.13235
FBgn00175	40095	Max	0.047413	0.047413	1	0.210775	17.4519	19.9144
FBgn00275	34728	CG5867	0.047405	0.047405	1	0.129689	87.4682	94.3465
FBgn00277	36653	SMC2	0.047397	0.047397	1	0.230954	4.79268	5.54622
FBgn00369	40231	SCCRO4	0.047321	0.047321	1	0.130458	42.1622	45.502
FBgn00403	31050	CG11638	-0.04725	0.047255	1	-0.296873	4.66455	3.74066
FBgn00358	38918	CG7366	-0.04722	0.047224	1	-0.150515	47.707	42.3711
FBgn00230	38872	Clk	-0.0472	0.047204	1	-0.135305	19.3587	17.3762
FBgn00853	5740125	CR34285	-0.0472	0.0472	1	-0.257601	11.6845	9.63135
FBgn00394	43241	Tsp97E	0.047089	0.047089	1	0.15167	21.285	23.3115
FBgn00120	38798	Cdc27	0.047056	0.047056	1	0.133678	22.1599	23.9687
FBgn02599	8673960	CG42467	-0.04704	0.047038	1	-0.487058	10.8607	7.61283
FBgn02616	10178945	CG42710	-0.04696	0.046959	1	-0.192454	46.5424	40.1481
FBgn02629	12798379	CG43296	0.046836	0.046836	1	0.516045	5.43634	7.6869
FBgn00349	37809	CG3803	0.046785	0.046785	1	0.27279	8.57024	10.211
FBgn00355	38572	CG18418	-0.04674	0.046739	1	-0.134846	76.529	68.7135
FBgn02606	8674000	CG42542	0.046737	0.046737	1	0.158898	17.589	19.3606
FBgn02656	37150	CG44433	-0.04671	0.046712	1	-0.12997	39.2262	35.3397
FBgn02660	19834869	CR44821	-0.04669	0.046694	1	-0.528655	9.99693	6.80124
FBgn00386	42262	CG14294	-0.04668	0.046675	1	-0.205606	45.6822	39.0468
FBgn00525	32657	CG32572	-0.04659	0.046586	1	-0.202623	12.5891	10.7829
FBgn00383	41875	CG14868	-0.04651	0.046512	1	-0.197702	16.4366	14.1268
FBgn02668	19835909	asRNA:CR4	-0.04645	0.046453	1	-0.265482	16.3333	13.3893
FBgn00251	32008	Ant2	-0.04631	0.046312	1	-0.124017	77.9049	70.4769
FBgn00005	39392	Est-6	0.046275	0.046275	1	0.0797635	305.464	318.275
FBgn00340	36778	Asph	0.04627	0.04627	1	0.111181	35.5325	37.838
FBgn00159	49636	hrg	0.046263	0.046263	1	0.127426	20.4776	22.0533
FBgn02616	10178902	CR42722	-0.0462	0.0462	1	-0.170745	52.1414	45.6627
FBgn00857	5740380	CR40668	0.046198	0.046198	1	0.22733	24.575	28.3673
FBgn00510	318583	CG31077	0.046185	0.046185	1	0.131745	26.7999	28.9487
FBgn00325	34762	CG9267	0.046148	0.046148	1	0.260333	9.62295	11.3661

FBgn02655	19835655	CG44403	-0.04614	0.046144	1	-0.162043	36.4849	32.1455
FBgn00374	40791	godzilla	0.046132	0.046132	1	0.117901	32.0078	34.2438
FBgn00263	33450	Or23a	-0.04608	0.046081	1	-0.390031	4.56983	3.43202
FBgn00296	31349	Vap33	0.04607	0.04607	1	0.0986825	57.9536	61.1814
FBgn00287	45248	Nckx30C	-0.04607	0.04607	1	-0.116778	13.8976	12.6358
FBgn00313	33367	Wdr62	0.046063	0.046063	1	0.10269	17.3475	18.3647
FBgn00457	43067	CHKov1	0.046005	0.046005	1	0.16318	30.4105	33.573
FBgn00112	37617	blw	-0.04598	0.045978	1	-0.0843682	200.931	186.844
FBgn02677	35843	rgr	0.04588	0.04588	1	0.230754	4.10809	4.75334
FBgn02655	19836151	CR44395	-0.04585	0.045847	1	-1.03645	1.9061	0.884169
FBgn00373	40715	kat-60L1	-0.04583	0.045828	1	-0.160391	19.0352	16.7904
FBgn02612	38500	Ero1L	0.045819	0.045819	1	0.124753	47.3374	50.8854
FBgn00335	36163	Spn47C	0.045803	0.045803	1	0.13899	22.3927	24.3099
FBgn00515	326148	CG31523	-0.04578	0.045783	1	-0.0740749	205.908	192.843
FBgn00531	326328	CG33189	-0.04576	0.045758	1	-0.152502	88.4718	78.4679
FBgn00367	39949	CG7589	-0.04573	0.045727	1	-0.168614	20.2027	17.7187
FBgn00502	246533	Ppcdc	0.04564	0.04564	1	0.169611	32.8791	36.4608
FBgn02602	8674001	CG42496	0.04564	0.04564	1	0.169611	32.8791	36.4608
FBgn00398	43722	CG1774	0.045581	0.045581	1	0.148987	30.8713	33.7477
FBgn00317	33803	CG11147	0.045569	0.045569	1	0.106293	55.7967	59.216
FBgn00501	36969	CG30103	0.045547	0.045547	1	0.200547	12.4043	14.0543
FBgn00255	39877	eIF3e	0.045405	0.045405	1	0.106425	110.147	116.908
FBgn00103	47900	Taf5	0.045397	0.045397	1	0.233807	7.0988	8.23128
FBgn00199	36617	RpI1	0.045381	0.045381	1	0.172401	7.43079	8.25623
FBgn00323	34611	escl	0.045338	0.045338	1	0.305827	4.71897	5.75356
FBgn00399	3355040	CG17514	0.045336	0.045336	1	0.0937333	31.8139	33.4708
FBgn02674	26067163	asRNA:CR4	-0.04526	0.045256	1	-0.138694	39.6953	35.5462
FBgn00337	36328	Vha36-2	-0.04521	0.045215	1	-0.20911	19.9753	17.0321
FBgn02679	8674098	CanA-14F	0.04517	0.04517	1	0.121752	12.8022	13.7332
FBgn00289	34769	CG16852	-0.04515	0.045148	1	-0.24444	21.2129	17.6469
FBgn00334	35959	CG13954	-0.04514	0.045141	1	-0.201216	3.69791	3.17045
FBgn00283	32574	Tob	-0.04511	0.045111	1	-0.105329	22.5273	20.6455
FBgn00870	39583	bbg	0.045068	0.045068	1	0.107615	15.8831	16.8719
FBgn00362	39325	CG6024	-0.045	0.044997	1	-0.207547	4.99811	4.26632

FBgn00140	36775	Rho1	0.044973	0.044973	1	0.0771014	255.844	266.083
FBgn00223	43741	CG1910	0.044961	0.044961	1	0.129118	27.2937	29.4284
FBgn00857	5740619	CR40712	0.044947	0.044947	1	0.190405	56.4924	63.5576
FBgn00353	38342	AhcyL1	0.044941	0.044941	1	0.116335	40.3564	43.1287
FBgn00403	31056	CG3655	0.044937	0.044937	1	0.155774	7.56214	8.30578
FBgn02660	31424	CG44774	-0.04493	0.044934	1	-0.0853565	44.3805	41.2407
FBgn00362	39335	CG14130	0.044774	0.044774	1	0.272987	10.5545	12.5769
FBgn00263	44263	Sara	0.044705	0.044705	1	0.127578	19.4965	20.9989
FBgn00322	34425	CG5168	0.044701	0.044701	1	0.121658	62.8402	67.4054
FBgn00381	41707	CG3061	0.044679	0.044679	1	0.104916	86.7745	92.0042
FBgn00364	39627	mRpL39	0.04462	0.04462	1	0.213739	18.4399	21.0853
FBgn00140	40171	Su(Tpl)	0.044547	0.044547	1	0.105813	25.0704	26.5979
FBgn00338	36514	fand	0.044523	0.044523	1	0.205008	8.36288	9.50474
FBgn00344	37281	CG11044	0.044469	0.044469	1	0.176249	17.1526	19.109
FBgn00385	42105	CG5823	0.044453	0.044453	1	0.133022	42.5516	46.004
FBgn00307	32654	CG13008	-0.04445	0.044452	1	-0.123567	36.039	32.613
FBgn00350	37893	Slik	0.044358	0.044358	1	0.0949654	29.6953	31.2685
FBgn00526	318146	ssp7	-0.04436	0.044356	1	-0.262449	40.4253	33.2089
FBgn02610	35068	Sytalpha	-0.04434	0.044341	1	-0.21905	7.16521	6.06726
FBgn02633	12797922	asRNA:CR4	-0.04418	0.044177	1	-0.391288	9.93092	7.45151
FBgn00150	42029	CCT3	0.044053	0.044053	1	0.160068	20.9866	23.1191
FBgn02599	8674076	Sfp87B	-0.04405	0.044048	1	-0.0823732	1145.69	1066.84
FBgn02647	14462495	CR43975	-0.04399	0.043988	1	-0.28311	29.45	23.8454
FBgn00334	35957	CG13739	-0.04398	0.043975	1	-0.189833	4.00124	3.45781
FBgn00275	33642	Tps1	0.043842	0.043842	1	0.0743538	231.937	240.761
FBgn00370	40313	CG10589	-0.04383	0.043826	1	-0.112453	104.728	95.5059
FBgn00517	12798248	CR31781	0.043777	0.043777	1	0.0843854	142.209	148.649
FBgn02677	26067388	asRNA:CR4	-0.04377	0.043765	1	-0.130449	116.622	105.032
FBgn00303	32143	Nrd1	0.043705	0.043705	1	0.150042	13.3889	14.6471
FBgn00517	318924	Prosbeta5F	-0.04369	0.043688	1	-0.206375	17.1117	14.6183
FBgn00390	42703	CG7029	0.04355	0.04355	1	0.101717	21.5876	22.8379
FBgn00011	34171	grk	0.043532	0.043532	1	0.176002	20.1671	22.4634
FBgn00302	32057	Dlic	0.04351	0.04351	1	0.106595	41.1006	43.6284
FBgn00320	34143	CG7781	-0.0435	0.043496	1	-0.15341	28.5225	25.2812

FBgn00526	32209	Sec16	0.043458	0.043458	1	0.117227	11.7563	12.5717
FBgn02648	14462571	CR44070	0.04341	0.04341	1	0.974189	0.809901	1.60848
FBgn00330	35527	Pngl	0.043353	0.043353	1	0.132783	28.9209	31.2623
FBgn00348	37709	CG9812	-0.04335	0.043345	1	-0.20343	17.2069	14.7297
FBgn00327	35221	Rab9	0.043217	0.043217	1	0.217854	12.2391	14.035
FBgn00308	32687	Ubr1	0.043195	0.043195	1	0.107312	21.3644	22.6896
FBgn00348	37651	CG9897	0.043133	0.043133	1	0.459616	3.41537	4.63971
FBgn00360	39150	Ilp2	-0.04306	0.043058	1	-0.225293	31.4173	26.4874
FBgn02619	42358	Ire1	0.043049	0.043049	1	0.119197	26.5314	28.4103
FBgn00513	318684	CG31327	-0.04302	0.043022	1	-0.108646	57.4233	52.5053
FBgn02675	26067229	CR45901	-0.04292	0.042924	1	-0.875458	1.38247	0.726783
FBgn00504	246603	CG30416	-0.0429	0.0429	1	-0.1417	37.611	33.6094
FBgn00355	38586	Dnah3	0.042898	0.042898	1	0.109122	10.0324	10.6681
FBgn00396	43399	CG1646	0.04286	0.04286	1	0.119631	21.7782	23.3275
FBgn00260	32541	UBL3	0.042786	0.042786	1	0.142874	27.1671	29.5727
FBgn00369	40196	CG14186	-0.04273	0.042728	1	-0.1936	8.62936	7.43779
FBgn00344	37239	CG7744	0.042688	0.042688	1	0.255892	5.02347	5.91516
FBgn00502	246518	CG30271	-0.04268	0.042678	1	-0.14896	23.6629	21.0388
FBgn02615	44258	ps	0.042672	0.042672	1	0.0767995	39.5969	41.173
FBgn00328	35242	CG10165	-0.04263	0.042629	1	-0.205549	14.4484	12.35
FBgn02656	32273	sno	0.042503	0.042503	1	0.111347	20.7922	22.1438
FBgn00285	38173	hfp	-0.04241	0.042408	1	-0.110989	29.4615	26.8945
FBgn00357	38851	CG14838	-0.04232	0.042317	1	-0.172171	11.5993	10.1479
FBgn02629	12797901	CG43291	0.042278	0.042278	1	1.85837	0.0516371	0.21717
FBgn02643	14462684	CR43822	0.042278	0.042278	1	1.85837	0.243384	1.0236
FBgn00339	36686	CG8093	0.042258	0.042258	1	0.138656	42.6487	46.2896
FBgn00285	34834	CG15286	-0.04221	0.042214	1	-0.124422	54.3293	49.1351
FBgn00136	19893562	mt:srRNA	0.042201	0.042201	1	0.163452	52.8537	58.3614
FBgn00332	35780	Cul4	0.042144	0.042144	1	0.144713	17.1456	18.6877
FBgn02645	14462856	CR43913	-0.04212	0.042118	1	-0.37572	8.81038	6.68375
FBgn00321	34363	eEF1delta	0.042079	0.042079	1	0.114917	126.238	134.778
FBgn00325	34985	CG5953	0.042073	0.042073	1	0.162542	8.34308	9.20666
FBgn00391	42877	CG6204	0.042063	0.042063	1	0.182439	10.9544	12.2564
FBgn00025	32700	RpS5a	-0.04204	0.042043	1	-0.0880871	227.228	210.752

FBgn00283	31406	l(1)G0334	-0.04197	0.041966	1	-0.105633	77.0337	70.5835
FBgn00033	36692	scb	0.041965	0.041965	1	0.0930001	48.0614	50.5387
FBgn00382	41712	CG9920	-0.04196	0.041963	1	-0.091551	380.724	352.271
FBgn00866	3772382	Plp	0.041961	0.041961	1	0.107341	13.5066	14.3447
FBgn00032	33210	RpI135	0.041958	0.041958	1	0.232784	4.58762	5.31573
FBgn02661	19834859	asRNA:CR4	0.041957	0.041957	1	0.237839	21.7838	25.3301
FBgn00132	2768981	Trl	0.041905	0.041905	1	0.116097	18.0472	19.2838
FBgn00524	326216	Atox1	-0.04187	0.041874	1	-0.162396	52.1951	45.9755
FBgn02663	19835409	asRNA:CR4	0.041853	0.041853	1	0.081998	367.403	383.406
FBgn00321	326169	CG31883	-0.04184	0.041843	1	-0.110369	126.331	115.373
FBgn00373	40726	glob3	-0.04183	0.041834	1	-0.191354	27.6574	23.8756
FBgn00329	35426	CG1416	0.041794	0.041794	1	0.120848	60.366	64.7151
FBgn00031	44529	CG2841	-0.04178	0.041779	1	-0.0989457	36.2913	33.4072
FBgn00333	35891	CG8237	-0.04171	0.041705	1	-0.194863	24.1826	20.825
FBgn00355	326206	CG11583	0.041705	0.041705	1	0.222179	14.6467	16.8466
FBgn00372	40522	CG12581	-0.0417	0.041696	1	-0.144765	11.7316	10.4611
FBgn00264	3355136	Nipped-B	0.04169	0.04169	1	0.0914088	37.7798	39.6834
FBgn00473	251924	CG32148	-0.04167	0.041672	1	-0.158288	110.251	97.3909
FBgn00382	41811	RpL10Aa	-0.04166	0.041657	1	-0.13517	98.9546	88.8283
FBgn02627	34414	Mdh1	-0.0416	0.041597	1	-0.104084	133.381	122.344
FBgn02631	32158	cac	-0.04159	0.041588	1	-0.124777	8.19295	7.40782
FBgn00344	37263	CG15128	-0.04156	0.041559	1	-0.0969052	108.71	100.212
FBgn02639	14462486	CG43732	-0.04155	0.041548	1	-0.112578	24.2317	22.0959
FBgn00140	38559	Tie	0.041515	0.041515	1	0.147281	10.4885	11.4523
FBgn02657	32329	Nna1	-0.0415	0.041496	1	-0.09598	25.7786	23.7789
FBgn00513	41437	CG31368	0.041495	0.041495	1	0.174904	7.38106	8.21527
FBgn00175	43768	RpS3A	0.04142	0.04142	1	0.0607157	1261.11	1296.77
FBgn02657	19835658	CR44560	0.041385	0.041385	1	0.584686	1.96172	2.91383
FBgn00345	37395	Rbpn-5	0.041357	0.041357	1	0.188448	12.0627	13.5529
FBgn00503	246552	CG30344	-0.0413	0.041301	1	-0.125058	44.8894	40.5798
FBgn00403	53581	Gclc	0.041265	0.041265	1	0.110159	29.7964	31.7072
FBgn02592	31618	C3G	0.04125	0.04125	1	0.135478	7.8705	8.52359
FBgn02662	19835920	CR44922	-0.04121	0.041214	1	-0.159845	19.311	17.0401
FBgn00030	48311	Pkc53E	-0.04116	0.041156	1	-0.140839	11.9192	10.6574

FBgn00345	37344	Fem-1	0.041119	0.041119	1	0.131813	26.1328	28.2294
FBgn02507	32746	beta-Spec	0.04109	0.04109	1	0.0834234	44.4145	46.3948
FBgn00104	46015	tutl	-0.04106	0.041061	1	-0.131922	8.30148	7.46879
FBgn00526	318138	CG32643	-0.04104	0.041036	1	-0.245201	30.8004	25.6086
FBgn00261	38372	prominin-li	0.040996	0.040996	1	0.0963674	36.4561	38.4248
FBgn00361	39302	Duba	-0.04099	0.040991	1	-0.103984	49.1503	45.0864
FBgn00350	37993	CG12851	0.040989	0.040989	1	0.182074	4.72496	5.28524
FBgn00503	246539	CG30323	0.040929	0.040929	1	0.540292	2.10908	3.03453
FBgn00318	33900	frj	0.040918	0.040918	1	0.139749	27.9793	30.3909
FBgn00102	33498	Rbp9	0.040894	0.040894	1	0.081729	46.8265	48.857
FBgn00338	36466	CG4679	0.040884	0.040884	1	0.176645	15.2749	17.0219
FBgn00005	31339	ec	0.04087	0.04087	1	0.301151	1.01957	1.23907
FBgn00327	35218	CG16771	0.040864	0.040864	1	0.159196	13.0362	14.3522
FBgn00318	33919	COX5BL	-0.04086	0.040861	1	-0.18657	50.241	43.5159
FBgn00532	2768659	CG33293	-0.04086	0.040858	1	-0.147029	91.4126	81.3845
FBgn02676	26067308	CR45981	0.040849	0.040849	1	0.280556	11.1961	13.4121
FBgn00377	41171	CG9492	-0.04084	0.040836	1	-0.236195	1.25462	1.04972
FBgn00502	37473	stum	-0.04082	0.04082	1	-0.342382	1.16198	0.902466
FBgn02635	12798439	CR43489	-0.04081	0.040805	1	-0.231169	20.647	17.3358
FBgn00005	37143	Eip55E	0.040793	0.040793	1	0.13404	48.0313	51.965
FBgn02624	37129	CG43066	0.040563	0.040563	1	0.131449	14.7972	15.9803
FBgn00302	32034	SmydA-4	-0.04056	0.040556	1	-0.389949	2.4669	1.85268
FBgn00198	34804	Smg5	0.040525	0.040525	1	0.100108	34.5345	36.494
FBgn02645	31224	PsGEF	-0.04052	0.040522	1	-0.156526	3.58352	3.1694
FBgn02633	42642	AP-2mu	-0.04051	0.040506	1	-0.15373	26.2961	23.3026
FBgn00158	35306	RtGEF	0.040459	0.040459	1	0.137025	7.68081	8.32709
FBgn00235	31198	Mct1	0.040427	0.040427	1	0.179322	9.84581	10.9923
FBgn02650	35594	koi	0.040402	0.040402	1	0.132406	13.692	14.7966
FBgn00012	43385	Hrb98DE	-0.0404	0.040402	1	-0.0825221	136.924	127.487
FBgn00338	36556	CG18371	-0.0404	0.040398	1	-0.249029	33.9275	28.1332
FBgn00310	32975	et	-0.04037	0.040373	1	-0.338655	3.37923	2.63141
FBgn00512	326129	CG31244	-0.04034	0.040336	1	-0.119878	93.7312	85.0376
FBgn00336	36321	RpS11	-0.0403	0.040302	1	-0.0844992	396.462	368.631
FBgn00286	40717	Rpn5	0.040293	0.040293	1	0.104014	81.0012	85.8293

FBgn00360	39131	CG16719	-0.04022	0.040223	1	-0.118825	101.108	91.7972
FBgn00317	33775	CG6907	-0.04013	0.040131	1	-0.160112	28.4389	25.0899
FBgn00340	36698	CG8155	0.040103	0.040103	1	0.147786	12.5793	13.74
FBgn00323	34573	Dlg5	0.040094	0.040094	1	0.130608	10.2152	11.0255
FBgn00288	34899	CG15260	-0.04006	0.04006	1	-0.144994	75.9386	67.7037
FBgn00361	39277	CG6149	-0.04001	0.040013	1	-0.152362	69.1253	61.3144
FBgn00336	36309	EndoG	0.039946	0.039946	1	0.29867	7.71855	9.36401
FBgn02673	33402	sau	0.039914	0.039914	1	0.099406	68.3063	72.1469
FBgn00614	251324	CG30270	-0.03988	0.039879	1	-0.187185	55.5161	48.0642
FBgn00028	3772069	mus201	-0.03988	0.039876	1	-0.192908	7.4761	6.44684
FBgn00522	317913	CG32204	0.039869	0.039869	1	0.321505	2.42808	2.9931
FBgn00169	33768	nompC	-0.03984	0.039837	1	-0.323694	1.30028	1.02324
FBgn00521	317890	CG32161	-0.03983	0.039832	1	-0.171005	51.5536	45.1391
FBgn00388	42531	CG16791	-0.0398	0.039798	1	-0.119875	14.6422	13.2841
FBgn00040	32974	Zw	-0.03978	0.03978	1	-0.17204	15.6301	13.6755
FBgn00438	192535	CG32032	0.039767	0.039767	1	0.18612	26.3799	29.5911
FBgn02663	19835306	asRNA:CR4	-0.03975	0.039745	1	-0.402578	8.52341	6.34419
FBgn00356	38633	CG5150	0.039702	0.039702	1	0.163462	21.1986	23.4079
FBgn02670	36876	unc-104	0.039699	0.039699	1	0.0851587	37.6833	39.4109
FBgn00517	318936	Acp24A4	-0.03964	0.039641	1	-0.142513	98.4089	87.8886
FBgn00112	39906	a10	-0.03964	0.039636	1	-0.331665	14.9577	11.7049
FBgn00397	43559	Nph	0.039569	0.039569	1	0.162374	49.5284	54.6487
FBgn02649	14462721	asRNA:CR4	0.039549	0.039549	1	0.152903	18.7785	20.5841
FBgn00256	31174	CG4199	0.039548	0.039548	1	0.106689	41.7393	44.3092
FBgn00288	34921	CG4587	0.039535	0.039535	1	0.15263	5.12055	5.61184
FBgn00308	32705	CG5070	0.039509	0.039509	1	0.258068	15.1672	17.8867
FBgn00242	64880	chico	0.039499	0.039499	1	0.127731	22.2111	23.9252
FBgn00253	45739	SuUR	0.039426	0.039426	1	0.204402	5.85441	6.651
FBgn02665	19834824	CG45101	0.039426	0.039426	1	0.204402	5.85441	6.651
FBgn00331	35664	CG11123	0.03938	0.03938	1	0.219267	8.71413	10.0027
FBgn00320	34198	CG9314	-0.03936	0.039359	1	-0.0913188	130.778	121.023
FBgn00539	43186	CG33970	0.039338	0.039338	1	0.111514	29.4374	31.3547
FBgn00395	43303	CG13978	-0.03927	0.039268	1	-0.0901906	90.6503	83.9547
FBgn00379	41456	Tk	-0.03923	0.039226	1	-0.226096	12.3509	10.4068

FBgn00247	36726	Flo1	-0.03922	0.039221	1	-0.173575	20.8018	18.181
FBgn00377	41172	CG8358	0.039216	0.039216	1	0.239938	6.70801	7.81148
FBgn02616	36330	CG42700	-0.03921	0.03921	1	-0.232851	3.07792	2.58125
FBgn00615	39554	endos	-0.03921	0.039205	1	-0.103605	97.1978	89.1845
FBgn00322	34429	Bug22	-0.03919	0.039194	1	-0.120491	108.307	98.2198
FBgn00398	43737	CG1890	-0.03919	0.03919	1	-0.17886	50.123	43.6471
FBgn00318	33898	CG9527	-0.03919	0.039187	1	-0.127629	29.9641	27.039
FBgn00320	326170	CG31886	-0.03917	0.039173	1	-0.157724	16.2004	14.3163
FBgn00387	42353	CG11391	-0.03915	0.03915	1	-0.459708	2.36356	1.68922
FBgn00291	3772542	Menl-1	-0.03911	0.03911	1	-0.0887663	64.5089	59.8032
FBgn00302	32059	CG1394	-0.03908	0.039084	1	-0.0992547	213.259	196.269
FBgn00353	38343	CG12093	0.03904	0.03904	1	0.192892	19.6963	22.1981
FBgn00291	3772692	Menl-2	-0.03902	0.039015	1	-0.0886059	64.6129	59.9063
FBgn00290	36999	Smurf	0.039015	0.039015	1	0.108686	23.9194	25.4273
FBgn00582	3354861	MFS17	-0.039	0.038999	1	-0.125096	26.7779	24.2064
FBgn00350	37911	CG13581	-0.03894	0.038943	1	-0.197974	32.7234	28.1187
FBgn00319	34115	CG8460	0.038891	0.038891	1	0.181885	21.6883	24.2569
FBgn02644	44936	Eip93F	0.038874	0.038874	1	0.0994017	13.4474	14.2034
FBgn00328	35280	CG13965	0.038871	0.038871	1	0.187032	51.5591	57.8719
FBgn02674	26067050	CG45782	-0.03882	0.038822	1	-0.217654	11.0831	9.39373
FBgn00043	43310	Klp98A	-0.03877	0.038765	1	-0.133745	13.5915	12.2127
FBgn02613	39320	Ccdc56	-0.03873	0.038728	1	-0.135263	47.6113	42.7362
FBgn02613	8674019	mtTFB1	-0.03873	0.038728	1	-0.135263	47.6113	42.7362
FBgn00343	37084	CG5721	0.038725	0.038725	1	0.142255	35.8655	39.0246
FBgn00027	43152	E(spl)mbet	0.038724	0.038724	1	0.408861	4.15109	5.44074
FBgn00521	317860	CG32112	-0.03871	0.038709	1	-0.127534	42.0783	37.973
FBgn00330	35501	Not3	0.038667	0.038667	1	0.10492	36.2571	38.4424
FBgn00397	43643	CG12069	-0.03857	0.038567	1	-0.136029	40.8201	36.6208
FBgn02610	39630	Sytbeta	-0.03853	0.038527	1	-0.255332	3.29072	2.7167
FBgn00301	31961	CG15306	-0.03852	0.038522	1	-0.0988474	114.441	105.353
FBgn00203	44381	Tim17b2	-0.03851	0.038506	1	-0.152111	64.7005	57.3995
FBgn00203	41972	Mst89B	-0.03849	0.038491	1	-0.135933	55.5267	49.8179
FBgn02644	48448	CkIIalpha	0.038481	0.038481	1	0.101472	69.763	73.7911
FBgn00376	41035	TMEM216	0.03847	0.03847	1	0.16008	14.7043	16.1986

FBgn00001	38993	Arr2	-0.03842	0.03842	1	-0.0577182	1146.72	1086.21
FBgn02632	12798395	CG43396	-0.0384	0.038399	1	-0.313792	16.4905	13.0674
FBgn02591	26067094	CR42254	0.038357	0.038357	1	0.31754	5.39107	6.62723
FBgn00829	5740376	snoRNA:M	0.038343	0.038343	1	0.800653	10.7519	18.7114
FBgn02609	39860	Baldspot	0.038265	0.038265	1	0.0834287	108.332	113.163
FBgn00522	317964	CG32299	-0.03823	0.038234	1	-0.117568	85.4376	77.6376
FBgn00359	39033	CG5280	-0.03823	0.038229	1	-0.20075	26.6221	22.8318
FBgn00041	38418	kst	0.038213	0.038213	1	0.0749921	32.2429	33.4842
FBgn00196	38816	qm	0.038168	0.038168	1	0.156446	17.211	18.9123
FBgn00284	36292	Drep3	-0.03812	0.038121	1	-0.283315	6.5663	5.31573
FBgn00056	33229	Ets21C	0.038094	0.038094	1	0.214711	3.55361	4.06618
FBgn00531	326267	CG33170	-0.03808	0.038083	1	-0.124542	77.4204	70.0124
FBgn00524	40502	CG32459	-0.03805	0.038045	1	-0.117524	77.5796	70.4991
FBgn02627	44307	Vha16-1	0.038036	0.038036	1	0.0582022	506.727	520.148
FBgn00329	35359	sky	0.03801	0.03801	1	0.0900579	35.9469	37.7228
FBgn00289	34817	Cyp28a5	-0.03798	0.037977	1	-0.136788	39.3638	35.2957
FBgn00012	42852	Hsp68	0.037874	0.037874	1	0.145653	23.7185	25.8686
FBgn00339	36680	CG7544	-0.03769	0.037691	1	-0.40424	3.45836	2.57105
FBgn00516	326149	CG31642	-0.03768	0.037678	1	-0.202623	13.0762	11.1998
FBgn00343	37137	CG5323	-0.03758	0.037579	1	-0.227545	24.7525	20.8352
FBgn00341	36845	FBgn00341	-0.03756	0.037558	1	-0.103407	65.1669	59.8025
FBgn00301	31857	CG12118	-0.03749	0.037491	1	-0.133371	57.7471	51.9022
FBgn00312	33165	Zir	0.03746	0.03746	1	0.115388	15.8011	16.8756
FBgn00380	41526	CG17202	-0.03743	0.037427	1	-0.337155	10.3783	8.0899
FBgn02621	5740691	l(2)41Ab	-0.03742	0.037416	1	-0.133278	24.8303	22.3185
FBgn02637	14462445	CG43675	-0.03739	0.037391	1	-0.0746157	161.792	151.47
FBgn00393	43125	CG5886	-0.03727	0.037269	1	-0.11466	59.3863	54.0736
FBgn02508	3885622	CR40465	-0.03726	0.037265	1	-0.384746	9.60511	7.23996
FBgn02633	38347	Tet	0.037127	0.037127	1	0.13624	4.54223	4.92175
FBgn00320	34181	Dh31	-0.03711	0.037109	1	-0.192481	22.1164	19.0771
FBgn02591	32771	mnb	0.037087	0.037087	1	0.150781	6.83453	7.48067
FBgn00392	42954	polybromo	0.037079	0.037079	1	0.17776	5.99697	6.68802
FBgn00357	38808	CG8602	0.036992	0.036992	1	0.10981	45.6915	48.61
FBgn00349	37768	CG5543	0.036962	0.036962	1	0.256566	5.65645	6.66371

FBgn00500	246414	CG30047	-0.03687	0.036871	1	-0.240354	6.03845	5.03755
FBgn00866	318948	Mst36Fa	-0.03686	0.036862	1	-0.144401	35.8118	31.9413
FBgn00302	32011	CG15209	0.036861	0.036861	1	0.169795	43.5906	48.3456
FBgn00362	39338	RpL10Ab	0.0368	0.0368	1	0.0648571	837.036	863.177
FBgn00344	37287	CG9864	-0.03677	0.036773	1	-0.189202	16.9568	14.6599
FBgn00324	34703	CG5122	-0.03669	0.036688	1	-0.0934267	51.845	47.9079
FBgn00300	31810	CG1785	0.036684	0.036684	1	0.220436	9.39671	10.795
FBgn00291	44132	slmo	0.036497	0.036497	1	0.128998	32.9846	35.5615
FBgn00324	34674	CCT4	0.036425	0.036425	1	0.136092	32.4072	35.1113
FBgn00270	45785	IleRS	0.036394	0.036394	1	0.111735	28.1132	29.9489
FBgn02665	33185	kis	0.036355	0.036355	1	0.0759595	20.8915	21.7103
FBgn00329	35370	tadr	-0.03635	0.036352	1	-0.193193	10.5845	9.1254
FBgn00371	40492	CG11241	-0.03635	0.036352	1	-0.193193	8.14854	7.02524
FBgn00523	38873	CG32369	0.036269	0.036269	1	0.150936	8.19162	8.96703
FBgn00298	31517	GAA1	-0.03626	0.036255	1	-0.187943	12.5642	10.8719
FBgn00258	44110	Mgstl	0.036247	0.036247	1	0.164771	31.2383	34.5253
FBgn02664	42691	CG45049	0.036168	0.036168	1	0.125647	20.8549	22.432
FBgn00196	41432	COX5A	-0.0361	0.036103	1	-0.113399	141.583	129.03
FBgn00312	33187	CG13693	-0.03608	0.036082	1	-0.139092	38.5607	34.5202
FBgn00395	43325	CG5590	-0.03607	0.036068	1	-0.179586	22.4018	19.4975
FBgn02659	43415	Doa	0.03598	0.03598	1	0.0958134	12.8166	13.5035
FBgn00349	37824	Pask	0.035968	0.035968	1	0.24114	4.42774	5.16046
FBgn00400	53448	meso18E	0.035951	0.035951	1	0.253467	4.03267	4.74054
FBgn00351	38045	Tudor-SN	0.03592	0.03592	1	0.092027	58.3523	61.3187
FBgn00046	36497	drk	0.035794	0.035794	1	0.103786	45.8157	48.539
FBgn00322	34398	CG5022	0.035787	0.035787	1	0.428018	1.71958	2.28454
FBgn00303	32123	Amun	-0.03578	0.035785	1	-0.129214	17.4511	15.7301
FBgn00262	42881	cav	0.035749	0.035749	1	0.182556	13.7337	15.3674
FBgn00291	44791	eEF1gamm	0.035742	0.035742	1	0.0788149	200.175	208.433
FBgn02591	34005	Ndae1	-0.03564	0.035636	1	-0.10727	18.5627	16.989
FBgn02618	10178900	CG42758	-0.03558	0.035578	1	-0.193932	43.7149	37.6692
FBgn00870	40575	5-HT2A	-0.03552	0.03552	1	-0.21812	3.86517	3.27492
FBgn00306	32446	RpL37a	-0.03547	0.03547	1	-0.0916601	163.342	151.123
FBgn00311	33058	hydra	0.035418	0.035418	1	0.0888167	92.4005	96.882

FBgn00540	3885632	CG34012	-0.03538	0.035382	1	-0.203588	44.5107	38.0977
FBgn00363	39446	CG10984	0.035318	0.035318	1	0.130717	26.9673	29.1088
FBgn00137	34225	alien	0.035274	0.035274	1	0.134181	19.5033	21.1027
FBgn00345	37399	CG9394	-0.03527	0.035273	1	-0.244071	6.9757	5.80431
FBgn00256	49816	CycK	0.035225	0.035225	1	0.128457	12.147	13.091
FBgn02615	43946	wb	0.03514	0.03514	1	0.214766	1.33564	1.52836
FBgn00002	32132	CkIIbeta	0.03513	0.03513	1	0.104106	22.9861	24.3578
FBgn00353	38264	CG1139	-0.03507	0.035067	1	-0.206078	15.0487	12.8581
FBgn00356	38714	fmt	0.035029	0.035029	1	0.110202	13.6062	14.4792
FBgn00513	318701	CG31380	-0.03501	0.035007	1	-0.193756	20.5581	17.7171
FBgn00340	36773	Dg	0.034905	0.034905	1	0.112494	15.8165	16.8581
FBgn00306	32454	CG9106	-0.0349	0.034901	1	-0.152946	37.7253	33.4485
FBgn02668	19836035	asRNA:CR4	0.034876	0.034876	1	0.142935	31.3652	34.1441
FBgn00351	38056	mthl9	0.034808	0.034808	1	0.284411	4.39326	5.2771
FBgn00315	33562	Cog3	0.034787	0.034787	1	0.183563	9.21274	10.3159
FBgn00333	35928	GstE13	0.034705	0.034705	1	0.291703	8.30791	10.0302
FBgn00349	37820	PPP1R15	0.03469	0.03469	1	0.111202	66.5652	70.8853
FBgn00403	30977	CG12470	-0.03466	0.034663	1	-0.0969585	163.545	150.755
FBgn00375	40917	CG10919	-0.03464	0.034643	1	-0.152888	62.9685	55.8323
FBgn00256	38088	CkIIalpha-i3	0.034622	0.034622	1	0.269422	6.66871	7.92699
FBgn00317	33832	Ucp4C	-0.03448	0.034481	1	-0.179826	27.2486	23.7119
FBgn00421	10178800	FBgn00421	-0.03443	0.034433	1	-0.0715062	187.77	176.169
FBgn00360	39134	CG6761	-0.03436	0.034365	1	-0.123107	30.0572	27.2082
FBgn00388	42508	CG7009	0.03435	0.03435	1	0.315226	7.04541	8.64702
FBgn00367	39924	CG6497	-0.03435	0.034348	1	-0.127096	50.3761	45.4749
FBgn00330	35475	CG3107	-0.03432	0.034323	1	-0.0919261	48.803	45.1438
FBgn00390	42733	Cow	-0.0343	0.034301	1	-0.104731	30.8209	28.2577
FBgn02668	19835592	CR45324	0.034297	0.034297	1	0.290541	7.64022	9.21668
FBgn02606	38562	CG42540	-0.03418	0.034185	1	-0.140076	11.8387	10.591
FBgn00157	40890	MstProx	-0.03408	0.034085	1	-0.238681	5.14021	4.29316
FBgn00514	42577	CG31465	0.034051	0.034051	1	0.161596	12.2009	13.4551
FBgn00307	32673	CG13004	0.034049	0.034049	1	0.143085	21.6157	23.5333
FBgn00104	38885	RNaseX25	0.034048	0.034048	1	0.117163	54.0581	57.805
FBgn00305	32397	CG9413	-0.03399	0.033989	1	-0.108684	33.7118	30.8235

FBgn00287	37036	CG5033	0.033967	0.033967	1	0.185563	10.4855	11.7574
FBgn00374	40864	CG14609	-0.03396	0.033964	1	-0.104391	65.0335	59.6391
FBgn00355	38588	CG13704	0.033878	0.033878	1	0.158877	57.4071	63.1886
FBgn00378	41268	CG6325	0.033835	0.033835	1	0.169874	9.0747	10.0652
FBgn00400	4379919	CG17698	0.033782	0.033782	1	0.121247	31.6626	33.9532
FBgn02636	39764	Zn72D	-0.03372	0.033715	1	-0.132549	13.1123	11.7919
FBgn00370	40369	barc	0.033685	0.033685	1	0.134446	26.5786	28.7635
FBgn02592	37038	grh	0.03368	0.03368	1	0.168506	3.65103	4.04568
FBgn00284	44481	Met75Cb	-0.03368	0.033679	1	-0.0703564	2046.38	1921.48
FBgn00393	43145	CG14540	-0.03367	0.033666	1	-0.0808522	130.937	122.053
FBgn00375	41009	CG11737	0.033639	0.033639	1	0.139341	23.7265	25.7644
FBgn00369	40169	Usp32	0.033627	0.033627	1	0.110026	16.9016	17.9839
FBgn00387	42371	RhoGAP92I	-0.03345	0.03345	1	-0.150752	12.4501	11.0555
FBgn00267	33440	Rad1	0.033434	0.033434	1	0.485151	1.78007	2.46264
FBgn00853	5740299	Sws1	0.033434	0.033434	1	0.485151	1.78007	2.46264
FBgn00501	246462	CG30110	-0.03338	0.033384	1	-0.154449	22.6979	20.1037
FBgn00004	37618	CycB	-0.03337	0.033372	1	-0.149547	16.5726	14.7286
FBgn00336	36202	CG18335	-0.03329	0.033291	1	-0.110733	83.3371	76.0888
FBgn00312	33162	galectin	0.033271	0.033271	1	0.102715	47.0519	49.8115
FBgn00112	3355084	Snap25	-0.03327	0.033267	1	-0.113441	45.9016	41.8305
FBgn00352	38240	Cpr62Bb	0.033257	0.033257	1	0.295495	8.52137	10.3153
FBgn00315	33560	Snx1	-0.0332	0.0332	1	-0.141187	28.739	25.6901
FBgn02639	14462810	CG43739	0.033143	0.033143	1	0.08691	44.6518	46.7556
FBgn00056	41550	Vha55	-0.03314	0.033137	1	-0.0675933	200.385	188.516
FBgn00351	38044	wac	0.033072	0.033072	1	0.250928	14.6042	17.1375
FBgn00112	36846	Sema2a	0.032992	0.032992	1	0.160286	9.04664	9.96747
FBgn00390	42702	Usp12-46	0.032957	0.032957	1	0.124483	33.4863	35.9895
FBgn00393	43073	ND-49L	-0.03295	0.03295	1	-0.129193	42.9857	38.747
FBgn00328	35352	CG14402	-0.03293	0.03293	1	-0.136802	37.2621	33.4107
FBgn00359	38972	GstO3	0.032843	0.032843	1	0.114735	105.198	112.3
FBgn00391	42903	CG5746	0.032785	0.032785	1	0.154154	9.09061	9.97338
FBgn00329	35411	Lamp1	0.032753	0.032753	1	0.0623043	458.027	471.496
FBgn00347	37582	CG4329	-0.03265	0.032646	1	-0.107774	31.4911	28.8112
FBgn00393	43112	CG17196	-0.03261	0.03261	1	-0.169113	38.7536	33.9759

FBgn00341	36936	Gbp1	0.032607	0.032607	1	0.204521	44.9325	51.0509
FBgn00531	318824	dpy	0.032592	0.032592	1	0.113244	1.33109	1.41949
FBgn00516	318881	CG31680	-0.03256	0.032563	1	-0.148753	95.7665	85.1576
FBgn00369	40179	RhoGDI	0.032528	0.032528	1	0.0891394	127.08	133.273
FBgn02649	14462546	CR44131	-0.03252	0.032525	1	-0.211264	21.7508	18.5174
FBgn00283	39827	TMS1	0.032481	0.032481	1	0.0887751	112.029	117.459
FBgn00314	33517	CG17258	-0.03248	0.03248	1	-0.216495	7.18717	6.09647
FBgn02663	19836069	asRNA:CR4	-0.03247	0.032469	1	-0.345811	11.722	9.08139
FBgn00524	38667	CG32407	-0.03246	0.032462	1	-0.198085	18.3358	15.7542
FBgn00288	34944	CG10839	-0.03244	0.03244	1	-0.196673	15.5926	13.4104
FBgn00314	33458	Hrs	0.032439	0.032439	1	0.183765	9.38719	10.5127
FBgn00306	32510	CG8184	0.032367	0.032367	1	0.103079	7.43043	7.86822
FBgn00298	31604	ND-ASHI	-0.0323	0.032297	1	-0.169108	26.4805	23.216
FBgn00390	42764	CG4393	0.032256	0.032256	1	0.133661	9.88058	10.687
FBgn00338	36529	CG6329	-0.03226	0.032255	1	-0.115424	24.8233	22.5905
FBgn00511	42665	Efa6	0.032196	0.032196	1	0.114548	11.1024	11.8504
FBgn00338	36536	CG6543	-0.03219	0.032186	1	-0.226924	16.4019	13.8119
FBgn02618	47594	aPKC	-0.03218	0.032176	1	-0.108731	17.8303	16.3021
FBgn00516	33361	wry	-0.03213	0.03213	1	-0.134187	11.4887	10.32
FBgn02619	31003	vnd	-0.03209	0.03209	1	-0.257448	3.21687	2.65171
FBgn00325	34864	CG4480	-0.03202	0.032016	1	-0.127837	50.9243	45.946
FBgn00012	40248	Ide	0.032006	0.032006	1	0.104172	34.833	36.9133
FBgn00391	42893	CG6356	0.031991	0.031991	1	0.195195	7.8498	8.86108
FBgn00372	40532	CG14642	-0.03184	0.031839	1	-0.251121	10.3636	8.58073
FBgn00406	50075	CG14545	0.031805	0.031805	1	0.74491	1.16288	1.94191
FBgn00010	40045	ftz-f1	0.031804	0.031804	1	0.12953	7.54384	8.13621
FBgn00106	44155	CG10939	0.031762	0.031762	1	0.110144	59.0141	62.798
FBgn02507	35343	vari	0.031709	0.031709	1	0.129812	22.4043	24.1683
FBgn00005	44811	E(bx)	0.031681	0.031681	1	0.0847257	22.1663	23.1756
FBgn00276	39939	blot	-0.03166	0.031664	1	-0.14101	12.3531	11.0439
FBgn00327	35239	CG10132	-0.03163	0.031632	1	-0.213477	4.49297	3.81916
FBgn02640	39527	bru3	-0.03155	0.031549	1	-0.131739	5.2654	4.73779
FBgn00511	42687	wge	0.031529	0.031529	1	0.130373	9.7729	10.5465
FBgn00365	39726	CG15715	0.031518	0.031518	1	0.142764	51.3087	55.8481

FBgn00390	42696	HP1c	-0.0315	0.031504	1	-0.319144	8.82704	6.96813
FBgn00302	31971	RabX2	0.031434	0.031434	1	0.447016	4.00752	5.39637
FBgn00327	35126	CG10376	0.031431	0.031431	1	0.143544	19.5758	21.3193
FBgn00132	41860	FK506-bp1	0.031333	0.031333	1	0.165941	25.9228	28.6738
FBgn02592	37853	Mlp60A	0.031322	0.031322	1	0.124579	25.0837	26.9606
FBgn00531	34514	CG33129	0.03131	0.03131	1	0.0893788	53.0212	55.6144
FBgn02645	31948	CG43902	-0.03129	0.031286	1	-0.207001	3.4839	2.97482
FBgn00378	41299	CG14693	-0.03124	0.031245	1	-0.23697	6.30142	5.26924
FBgn00307	32588	CG9911	0.031201	0.031201	1	0.106706	62.6564	66.5152
FBgn00339	36584	CG8531	-0.03119	0.031193	1	-0.0960693	79.4732	73.3031
FBgn00402	38628	bc10	0.031178	0.031178	1	0.121683	54.8475	58.8332
FBgn00338	36485	CG4744	0.031149	0.031149	1	0.102211	26.4106	27.9499
FBgn00349	37876	CG3356	0.031099	0.031099	1	0.101794	31.5811	33.4121
FBgn00152	37733	Pi3K59F	-0.03109	0.03109	1	-0.205913	7.18015	6.1356
FBgn00298	31515	CG12729	-0.03106	0.031059	1	-0.226365	22.1578	18.6661
FBgn00012	37629	inaD	-0.03105	0.031054	1	-0.121623	35.3099	31.9959
FBgn00358	38911	Uxs	-0.03103	0.031034	1	-0.170887	16.7663	14.6811
FBgn00389	42634	mats	0.031032	0.031032	1	0.161261	21.0008	23.1541
FBgn00330	35480	Atf6	0.031026	0.031026	1	0.104627	28.1878	29.8806
FBgn00348	37673	CG13544	-0.031	0.031	1	-0.125261	60.2843	54.4883
FBgn00153	34965	CG5861	0.030979	0.030979	1	0.173583	26.5718	29.5481
FBgn00373	40692	CG12170	-0.03096	0.030957	1	-0.293007	7.30313	5.87194
FBgn00234	44095	fus	-0.03093	0.030935	1	-0.0972547	20.8921	19.2543
FBgn02834	53443	SF2	0.030909	0.030909	1	0.100611	49.9137	52.7642
FBgn00291	43935	NtR	0.030902	0.030902	1	0.280669	4.99511	5.98445
FBgn00342	36958	CG18467	-0.03089	0.030892	1	-0.420576	3.34744	2.45971
FBgn00522	317963	CG32298	-0.03087	0.030869	1	-0.112607	83.6044	76.2333
FBgn00852	5740467	CG34220	0.030835	0.030835	1	0.0493174	780.192	795.939
FBgn00303	32201	CG2556	-0.0308	0.030798	1	-0.150714	20.5774	18.2728
FBgn02606	42819	eIF4G2	0.030705	0.030705	1	0.0622068	70.1385	72.1962
FBgn00368	40070	CG6836	-0.03069	0.030687	1	-0.225825	14.0201	11.8152
FBgn00520	326186	scramb1	0.030624	0.030624	1	0.130591	25.7032	27.7419
FBgn00515	318788	CG31533	-0.03062	0.030619	1	-0.0952105	59.3152	54.7428
FBgn00394	43227	IntS12	-0.03061	0.030611	1	-0.657188	1.71443	1.0618

FBgn00286	31567	Rpt4	0.030593	0.030593	1	0.143033	33.2161	36.1615
FBgn00005	33619	ed	-0.03059	0.030587	1	-0.131054	10.4432	9.40119
FBgn00853	43362	trv	-0.03057	0.030571	1	-0.142723	5.85085	5.22453
FBgn00289	34931	CG18109	-0.03057	0.030569	1	-0.0882183	33.4689	31.0391
FBgn00328	35330	Cen	0.030554	0.030554	1	0.143345	16.5262	17.9955
FBgn00511	318601	CG31128	-0.03046	0.030465	1	-0.161039	46.6569	41.1351
FBgn02656	19835804	asRNA:CR4	-0.03045	0.030447	1	-0.346173	15.3375	11.8793
FBgn00320	34160	CG13384	0.030442	0.030442	1	0.138165	18.4348	20.0018
FBgn00302	32062	CG11106	-0.03034	0.030337	1	-0.125205	134.357	121.444
FBgn00357	38794	RpL18	0.03033	0.03033	1	0.103445	148.137	156.905
FBgn00333	35925	Mys45A	0.030329	0.030329	1	0.166957	13.6993	15.1638
FBgn02616	10178828	CG42703	0.030317	0.030317	1	0.271079	20.741	24.6833
FBgn00520	39307	CG32091	0.030288	0.030288	1	0.185943	8.42539	9.44989
FBgn00324	34729	CG5945	0.030231	0.030231	1	0.0941409	142.074	149.515
FBgn00854	5740131	CG34383	0.030231	0.030231	1	0.123418	5.03221	5.40439
FBgn00012	41273	hth	0.030217	0.030217	1	0.109916	8.27926	8.80874
FBgn00365	39697	CG7372	0.030205	0.030205	1	0.185444	6.0252	6.75551
FBgn00297	31439	CG3323	-0.0302	0.030197	1	-0.109919	40.2603	36.7793
FBgn00175	33959	Rca1	0.030182	0.030182	1	0.286605	5.7154	6.87585
FBgn02508	38783	CG8628	0.030165	0.030165	1	0.147481	102.361	111.783
FBgn00379	41440	CG6971	-0.0301	0.030101	1	-0.142867	56.9458	50.8447
FBgn00333	35884	CG8252	-0.03007	0.030068	1	-0.17282	36.712	32.1028
FBgn00341	36904	CG9010	-0.03005	0.030047	1	-0.104076	97.7336	89.6462
FBgn00275	34403	Cand1	0.030025	0.030025	1	0.0938776	37.2757	39.2209
FBgn00264	43384	Noa36	0.029987	0.029987	1	0.184077	22.431	25.1259
FBgn00007	44289	flw	0.029987	0.029987	1	0.104596	26.2069	27.7802
FBgn00305	32326	CG12177	-0.02976	0.029765	1	-0.274572	6.21164	5.05928
FBgn00402	53434	c12.2	-0.02974	0.029736	1	-0.201614	5.281	4.52626
FBgn00356	38692	CG13295	-0.02973	0.029733	1	-0.177895	19.1319	16.6709
FBgn00242	34312	Srp54	0.029643	0.029643	1	0.189982	11.0236	12.3988
FBgn00314	33401	papi	0.029618	0.029618	1	0.106437	39.2412	41.6501
FBgn00390	42755	CG17083	-0.0296	0.029599	1	-0.0953407	79.0337	72.9346
FBgn00386	42256	Epg5	-0.02956	0.029561	1	-0.103557	16.1093	14.7816
FBgn02507	38231	alpha-Spec	0.029532	0.029532	1	0.0743304	37.6407	39.0719

FBgn00839	4379851	CG34117	0.029501	0.029501	1	0.217968	39.371	45.1526
FBgn00203	50263	geko	-0.02949	0.029494	1	-0.144428	39.0727	34.8487
FBgn00365	39715	pgant8	-0.02941	0.029407	1	-0.334234	3.54063	2.76544
FBgn00038	43542	trp	-0.02938	0.029385	1	-0.0713643	90.7651	85.1657
FBgn00283	31907	Ptpmeg2	0.029337	0.029337	1	0.103359	16.0011	16.9472
FBgn00357	38800	CG14830	0.029336	0.029336	1	0.179595	13.1938	14.733
FBgn02659	40224	rdgC	-0.02931	0.029306	1	-0.143115	9.90731	8.84433
FBgn02709	42795	VAChT	-0.02925	0.029253	1	-0.136484	8.31299	7.45535
FBgn00379	41408	CG6830	-0.02924	0.029236	1	-0.106252	40.715	37.2894
FBgn00393	43074	alrm	0.029227	0.029227	1	0.275599	5.61962	6.7089
FBgn00257	43832	PlexA	0.029221	0.029221	1	0.0760928	27.0206	28.0824
FBgn00376	41080	CG11982	-0.02919	0.029189	1	-0.126388	45.4439	41.0425
FBgn00375	40963	CG7800	0.029147	0.029147	1	0.19492	12.355	13.9441
FBgn02592	36205	CG42336	-0.02914	0.029141	1	-0.13437	40.4426	36.3236
FBgn00291	53585	Debcl	0.029118	0.029118	1	0.216408	9.90327	11.3453
FBgn00319	34086	CG7231	0.029086	0.029086	1	0.186661	12.862	14.4332
FBgn00135	45460	Pex1	0.029054	0.029054	1	0.194424	6.7415	7.60596
FBgn00364	39655	Prp31	0.029048	0.029048	1	0.164309	17.9205	19.7998
FBgn00513	41470	dpr17	-0.02904	0.029045	1	-0.0931968	36.307	33.555
FBgn02633	38963	Unr	0.029023	0.029023	1	0.0859787	21.5836	22.5859
FBgn02591	7354429	Snup	0.029019	0.029019	1	0.23009	4.5416	5.25266
FBgn02592	38332	CG42304	0.029019	0.029019	1	0.23009	4.5416	5.25266
FBgn00375	40922	CG3014	-0.02899	0.028988	1	-0.241362	6.05196	5.04509
FBgn00031	42922	Pp1alpha-9	0.028968	0.028968	1	0.0899737	52.486	55.0758
FBgn02613	35680	didum	-0.02892	0.028923	1	-0.0724374	53.9282	50.5636
FBgn00315	33604	bark	0.028868	0.028868	1	0.116364	7.93697	8.48239
FBgn02664	19835086	asRNA:CR4	-0.02878	0.028775	1	-0.197962	23.2166	19.9493
FBgn00311	33035	HERC2	-0.02875	0.028751	1	-0.179798	1.89547	1.64946
FBgn00284	31341	CG2930	0.028727	0.028727	1	0.0877099	36.1486	37.8727
FBgn00375	40961	Gie	0.028638	0.028638	1	0.134301	29.0792	31.4665
FBgn00311	33061	CG15452	-0.02863	0.028626	1	-0.208303	29.0449	24.778
FBgn00385	42163	CG14316	0.028605	0.028605	1	0.134425	37.5427	40.6284
FBgn00327	35158	Swip-1	-0.02855	0.028546	1	-0.131117	34.6087	31.1542
FBgn02599	8674094	Sfp24Bb	-0.02853	0.028533	1	-0.117458	186.963	169.905

FBgn00377	41184	CG12950	-0.0285	0.028496	1	-0.181723	6.62361	5.75621
FBgn00275	42956	lili	-0.02829	0.028287	1	-0.117966	29.6139	26.9025
FBgn00354	38467	CG14984	-0.02824	0.028235	1	-0.21134	29.2577	24.9067
FBgn00359	39043	CG4911	0.02822	0.02822	1	0.0948215	29.5536	31.1162
FBgn00319	34107	CG8668	0.028172	0.028172	1	0.123999	20.9825	22.5435
FBgn00102	33397	Uch	-0.02809	0.028089	1	-0.101421	104.251	95.8009
FBgn02508	34359	Prosalpha6	-0.02809	0.028085	1	-0.118696	76.767	69.7031
FBgn00402	53510	Ugt86Da	0.027994	0.027994	1	0.0981983	63.6177	67.1384
FBgn00864	41343	RpS25	-0.02792	0.027924	1	-0.067581	491.758	462.633
FBgn00272	33137	l(1)G0196	0.02788	0.02788	1	0.0796298	24.7988	25.8365
FBgn00350	38016	CG13405	-0.02783	0.027833	1	-0.13039	48.5462	43.7225
FBgn00048	38447	Scsalpha	-0.02783	0.027829	1	-0.10849	69.8455	63.8696
FBgn00157	31027	Rbf	0.027797	0.027797	1	0.155433	10.3881	11.407
FBgn00306	32460	CG9114	-0.02779	0.02779	1	-0.322204	3.59143	2.82893
FBgn02612	8674036	CG42615	-0.02779	0.02779	1	-0.322204	19.7486	15.5558
FBgn00261	47729	CG16833	-0.02777	0.027775	1	-0.0697657	49.1979	46.214
FBgn00393	43046	RIOK2	0.027774	0.027774	1	0.158671	20.3904	22.4408
FBgn00515	318791	CG31542	-0.02776	0.027757	1	-0.138524	30.5719	27.3789
FBgn00297	31411	CG2871	-0.02772	0.027718	1	-0.113821	65.2416	59.4392
FBgn00285	38846	lqf	0.027711	0.027711	1	0.0728618	47.4516	49.2057
FBgn02662	19835193	CR44898	0.027657	0.027657	1	0.324841	5.2305	6.46305
FBgn00408	3772624	CR32658	-0.02758	0.027576	1	-0.0749275	354.467	331.778
FBgn00305	32320	CG2691	0.027562	0.027562	1	0.144504	9.8929	10.7812
FBgn00386	42272	Smu1	0.027554	0.027554	1	0.262342	5.49832	6.50369
FBgn02660	41823	GlyS	0.027516	0.027516	1	0.101625	34.0423	36.0117
FBgn00531	3772655	CG33155	0.027468	0.027468	1	0.145236	37.1531	40.5096
FBgn00326	35083	CG5758	0.027415	0.027415	1	0.0975588	34.7753	36.6836
FBgn00290	35971	ced-6	0.027392	0.027392	1	0.0848113	63.0479	65.9224
FBgn00055	36127	Rab3	-0.02733	0.027325	1	-0.112103	24.9201	22.7309
FBgn00319	34098	RpL36A	0.027303	0.027303	1	0.0684473	726.163	750.707
FBgn00302	32073	GCS1	-0.02725	0.027248	1	-0.205458	6.372	5.44668
FBgn00405	50002	COX7A	-0.02724	0.027244	1	-0.128054	95.5078	86.1575
FBgn00853	5740553	CG34277	-0.02721	0.02721	1	-0.138051	30.6443	27.4528
FBgn00513	318700	CG31373	-0.02718	0.027182	1	-0.144148	68.9572	61.5143

FBgn00333	35857	CG12376	-0.02712	0.027123	1	-0.120301	37.7462	34.2347
FBgn00196	39143	ATPsynB	-0.02709	0.027092	1	-0.105364	119.374	109.398
FBgn00338	36499	mip120	0.026989	0.026989	1	0.222189	4.37459	5.03178
FBgn00397	43620	PH4alphaEI	-0.02694	0.026938	1	-0.157797	17.7502	15.6847
FBgn00317	33807	CG9171	-0.02692	0.02692	1	-0.122286	13.6628	12.3747
FBgn00295	31005	CG13365	-0.02691	0.026909	1	-0.486591	7.18848	5.03876
FBgn00323	34542	Reps	0.026883	0.026883	1	0.14238	9.57077	10.4147
FBgn00398	43730	CG1815	0.026868	0.026868	1	0.108011	16.1257	17.1343
FBgn00204	41602	CtBP	0.026855	0.026855	1	0.0853775	31.3907	32.8348
FBgn02645	19835576	asRNA:CR4	-0.02681	0.026813	1	-0.148175	105.336	93.7033
FBgn00298	31592	CG17717	-0.02681	0.026812	1	-0.167876	31.5498	27.6837
FBgn02665	42595	pit	-0.02667	0.026673	1	-0.18858	8.90224	7.69954
FBgn00257	34314	CG5885	-0.02656	0.026563	1	-0.142756	48.2354	43.0706
FBgn00043	42738	unk	0.026501	0.026501	1	0.119306	11.3854	12.1927
FBgn02644	14462886	CG43885	-0.02649	0.026489	1	-0.112269	204.599	186.603
FBgn00390	42678	CG17625	0.026462	0.026462	1	0.33184	10.9933	13.6507
FBgn00326	35032	CG6304	-0.02639	0.02639	1	-0.0883543	102.746	95.2778
FBgn00336	36319	CG8858	0.026361	0.026361	1	0.123913	11.0406	11.8612
FBgn00535	35483	Nipped-A	0.026342	0.026342	1	0.101996	9.47003	10.0205
FBgn00001	34791	b	0.026319	0.026319	1	0.203787	8.9476	10.1609
FBgn00519	319028	CG31922	0.026289	0.026289	1	0.404493	7.83284	10.2357
FBgn00334	35997	Mmp2	0.02628	0.02628	1	0.175052	5.42407	6.03779
FBgn00000	43183	Ald	-0.02628	0.026275	1	-0.0522048	257.443	244.791
FBgn02604	2768718	qvr	-0.02624	0.026243	1	-0.0808461	43.7615	40.7925
FBgn02660	19835169	CR44816	0.026222	0.026222	1	0.130272	127.142	137.197
FBgn00328	35339	Rhau	-0.02618	0.026182	1	-0.0871141	57.5085	53.3742
FBgn02625	12798516	CG43093	0.02614	0.02614	1	0.194499	44.7476	50.4883
FBgn00359	39081	Cpr67B	-0.02614	0.026137	1	-0.160315	37.6077	33.1733
FBgn00377	41167	SpdS	-0.0261	0.026102	1	-0.167853	20.011	17.5591
FBgn00351	38082	ebd1	0.026023	0.026023	1	0.218158	6.9606	7.98386
FBgn00516	318860	CG31627	-0.02599	0.025988	1	-0.174314	34.6195	30.2413
FBgn02650	40608	Cdep	0.025975	0.025975	1	0.0879195	8.76182	9.18105
FBgn00397	43614	CG15537	-0.02597	0.025968	1	-0.289985	6.39551	5.15293
FBgn00503	246585	CG30385	-0.0259	0.025903	1	-0.283078	6.34876	5.14011

FBgn02615	34833	ms(2)34Fe	-0.02584	0.025842	1	-0.0915441	32.0761	29.6788
FBgn00019	34925	ND-B17	-0.02581	0.025813	1	-0.322204	8.2691	6.51338
FBgn00028	47186	mus205	0.025809	0.025809	1	0.151727	5.73022	6.2761
FBgn00391	42865	Kal1	0.025774	0.025774	1	0.363905	2.48348	3.15396
FBgn00372	40514	Mes2	0.025737	0.025737	1	0.209	7.17481	8.17731
FBgn00342	36954	CG6550	0.025715	0.025715	1	0.232425	7.81768	9.05643
FBgn00303	32135	CG1578	0.025712	0.025712	1	0.143335	9.42007	10.2576
FBgn00320	34145	CG14274	-0.02566	0.025658	1	-0.284923	6.5885	5.3273
FBgn00332	35761	ACC	0.02559	0.02559	1	0.0583242	65.2613	66.9954
FBgn00315	33640	Vps53	0.025536	0.025536	1	0.158732	11.6487	12.8206
FBgn00312	33207	Ent1	0.02548	0.02548	1	0.112895	41.2728	44.003
FBgn00361	39319	CG11658	0.025443	0.025443	1	0.129783	20.7913	22.4279
FBgn02615	37589	RpS24	-0.02544	0.02544	1	-0.0837597	303.333	282.182
FBgn00322	34379	Hand	0.025431	0.025431	1	0.484412	3.58795	4.9616
FBgn00041	34411	Cdk1	0.025324	0.025324	1	0.263186	9.61152	11.3758
FBgn00363	39524	Liprin-beta	0.025274	0.025274	1	0.108988	30.6765	32.6173
FBgn00857	5740241	28SrRNA-P:	0.025266	0.025266	1	0.17803	20.6892	23.0778
FBgn00372	40614	CG14662	-0.02514	0.02514	1	-0.26204	6.29819	5.17486
FBgn00858	5740485	CR41607	0.025105	0.025105	1	0.197353	16.0558	18.1516
FBgn02678	26067068	Fatp	-0.02507	0.025071	1	-0.0832733	57.837	53.8223
FBgn00248	43981	DIP1	-0.02505	0.025053	1	-0.0679192	94.3591	88.7496
FBgn00314	33492	CG8814	0.025046	0.025046	1	0.130773	30.9689	33.4295
FBgn00380	41481	CG10014	-0.02497	0.024972	1	-0.141491	34.5662	30.8922
FBgn00365	39693	RhoGAP71I	0.024889	0.024889	1	0.131172	8.46943	9.1449
FBgn00391	42904	CG6454	0.024843	0.024843	1	0.102483	19.5417	20.6846
FBgn00049	36059	14-3-3zeta	0.02477	0.02477	1	0.0486447	306.928	312.976
FBgn00334	36042	CG12128	0.024755	0.024755	1	0.131522	14.3906	15.5421
FBgn02639	33212	ebi	0.024741	0.024741	1	0.131561	16.2727	17.5753
FBgn02602	8674092	CG42507	0.024713	0.024713	1	0.119044	15.7034	16.8138
FBgn00334	36053	CG1371	0.024706	0.024706	1	0.10861	22.8632	24.3033
FBgn00311	33136	Cp110	0.024688	0.024688	1	0.143207	12.9495	14.0996
FBgn00283	34912	kek3	-0.02466	0.024658	1	-0.274785	2.38342	1.94091
FBgn00341	36829	CG7997	0.024532	0.024532	1	0.119274	36.8089	39.4179
FBgn02669	19835620	asRNA:CR4	-0.02449	0.024494	1	-0.204148	32.0813	27.4474

FBgn02639	31459	spoon	0.024472	0.024472	1	0.0900775	25.5353	26.7971
FBgn00035	31554	sqh	0.024452	0.024452	1	0.0988601	71.5429	75.5369
FBgn00360	39193	CG12362	-0.02436	0.024357	1	-0.0879007	84.457	78.3425
FBgn00866	40557	CG9853	-0.02433	0.024327	1	-0.125236	33.2703	30.0718
FBgn02600	35410	CG17570	-0.02429	0.024285	1	-0.510745	3.20633	2.20872
FBgn00029	45338	na	-0.02427	0.024272	1	-0.175263	3.8276	3.34132
FBgn00302	32049	Klp10A	-0.02424	0.024244	1	-0.100407	22.4342	20.6302
FBgn00335	36084	CAP	0.024202	0.024202	1	0.073966	14.1144	14.6474
FBgn00247	36290	Drep1	0.024185	0.024185	1	0.218154	7.38754	8.47356
FBgn00161	42291	ATPsynD	-0.02417	0.024165	1	-0.109695	96.7376	88.3866
FBgn00347	37637	asrij	-0.02414	0.024143	1	-0.250338	12.9	10.6863
FBgn00344	37280	CG16894	0.024094	0.024094	1	0.108984	83.5004	88.7829
FBgn00641	3772159	CG33934	-0.02409	0.024087	1	-0.0764305	59.6979	55.8184
FBgn02604	3772456	Indy-2	-0.02409	0.024087	1	-0.0764305	59.6979	55.8184
FBgn00341	36853	Lst	0.024034	0.024034	1	0.124514	30.5485	32.8328
FBgn00155	35742	Cul1	0.023994	0.023994	1	0.0840561	42.0624	43.9571
FBgn00356	38630	l(3)psg2	0.023984	0.023984	1	0.141354	6.76843	7.36005
FBgn00339	36601	Dh44-R1	-0.02394	0.023941	1	-0.427999	1.84254	1.34665
FBgn00317	33802	CG14006	-0.02394	0.023938	1	-0.157314	16.0204	14.1609
FBgn00152	45525	eIF4E1	-0.02391	0.023909	1	-0.0801175	94.2562	87.9057
FBgn00298	31612	CG3168	-0.0239	0.023903	1	-0.0512758	170.093	161.838
FBgn00367	40011	CheA75a	0.023894	0.023894	1	0.225141	21.0837	24.301
FBgn00501	246488	CG30156	-0.02389	0.023889	1	-0.119384	42.8537	38.8917
FBgn02650	8674077	FDY	-0.02388	0.023881	1	-0.325571	7.09479	5.57509
FBgn00273	41158	Kap-alpha3	0.023855	0.023855	1	0.0704526	101.431	105.005
FBgn02672	19836223	CR45726	0.023837	0.023837	1	0.689478	1.85069	2.96743
FBgn02621	3355016	RNASEK	-0.02383	0.023828	1	-0.092611	121.798	112.611
FBgn02646	14462915	CG43968	-0.02377	0.023769	1	-0.293875	3.15434	2.53452
FBgn00356	38653	Tektin-C	-0.02372	0.023716	1	-0.172798	18.8373	16.4723
FBgn00006	37345	exu	-0.0237	0.023701	1	-0.0490601	311.282	296.631
FBgn00503	246561	CG30355	-0.02369	0.02369	1	-0.119127	98.6004	89.5003
FBgn00355	38591	CG17030	-0.02369	0.023686	1	-0.175018	39.1177	34.1537
FBgn00290	36997	icln	0.023685	0.023685	1	0.284314	10.3272	12.4044
FBgn00306	32520	CG8239	0.023645	0.023645	1	0.293596	3.88345	4.69491

FBgn00344	37176	CG15099	0.023629	0.023629	1	0.0865052	18.5865	19.4568
FBgn00263	44115	Rgl	0.023578	0.023578	1	0.13853	8.47848	9.20153
FBgn00108	46187	sinu	0.023568	0.023568	1	0.134907	24.1035	26.0934
FBgn00852	5740203	CG34179	0.023539	0.023539	1	0.117944	33.8791	36.247
FBgn00116	317824	Zyx	-0.02354	0.023536	1	-0.0957937	53.9169	49.7402
FBgn00394	43189	CG5432	-0.02347	0.023469	1	-0.0901245	75.8055	70.2089
FBgn00049	35881	Ggamma1	-0.02345	0.023454	1	-0.0605729	173.057	163.6
FBgn00297	31416	boil	0.023443	0.023443	1	0.12554	37.2615	40.0764
FBgn00390	42680	Nup133	0.023379	0.023379	1	0.186052	6.11567	6.85988
FBgn00327	35209	CG17349	-0.02333	0.023331	1	-0.111245	75.8802	69.2551
FBgn00277	42282	NP15.6	-0.02332	0.023323	1	-0.206134	32.0548	27.3867
FBgn00317	33867	CG9222	-0.0233	0.023302	1	-0.11217	66.046	60.2408
FBgn02676	26067063	CG46025	-0.0233	0.023299	1	-0.103018	37.9963	34.8775
FBgn00326	35123	CG10383	0.023263	0.023263	1	0.0798961	64.4134	67.1211
FBgn02600	36286	pds5	0.023239	0.023239	1	0.12792	11.4521	12.3376
FBgn00857	5740789	CR40642	0.023234	0.023234	1	0.222344	26.6275	30.6312
FBgn00398	43771	Arl4	-0.02322	0.023217	1	-0.133524	50.8645	45.7104
FBgn00373	40677	rev7	0.023137	0.023137	1	0.230337	16.6973	19.3151
FBgn00437	40406	CG32444	0.023125	0.023125	1	0.0879848	116.527	122.108
FBgn00511	318595	CG31111	0.023122	0.023122	1	0.426443	3.56345	4.72944
FBgn00512	318668	CG31296	0.023122	0.023122	1	0.426443	2.63385	3.49567
FBgn00346	37475	eIF3k	-0.0231	0.023104	1	-0.122107	80.7467	73.1427
FBgn02612	41973	Mat89Ba	0.023091	0.023091	1	0.204269	4.82606	5.48233
FBgn00389	42573	CG6569	-0.02303	0.023026	1	-0.0998117	71.8366	66.0871
FBgn00318	33906	Daxx	0.022998	0.022998	1	0.112192	13.6747	14.5722
FBgn00352	38227	CG13933	0.022995	0.022995	1	0.136768	15.0498	16.3133
FBgn02607	41450	Tango9	0.022945	0.022945	1	0.0809752	50.8589	53.0364
FBgn00206	42985	Osbp	-0.02289	0.022894	1	-0.122591	20.9149	18.9389
FBgn00369	40184	schuy	-0.02283	0.02283	1	-0.0841527	92.4565	85.9861
FBgn02620	10178865	CR42836	-0.02283	0.022829	1	-0.345288	10.0714	7.80484
FBgn00520	326191	CG32073	-0.02282	0.022824	1	-0.471068	6.5285	4.627
FBgn02650	14462563	CR44203	-0.02279	0.022787	1	-2.02264	0.667358	0.116946
FBgn02655	19835772	CR44417	0.022783	0.022783	1	0.237371	15.5262	18.0485
FBgn00261	37300	CkIIbeta2	0.02275	0.02275	1	0.148778	42.3807	46.3232

FBgn00285	34779	CG9008	-0.02274	0.022737	1	-0.107266	42.8505	39.2174
FBgn00000	31521	Act5C	0.022723	0.022723	1	0.0417907	589.055	597.817
FBgn00305	32357	CG11068	-0.02268	0.022677	1	-0.118498	57.8246	52.5106
FBgn00366	39876	CG9706	0.022613	0.022613	1	0.119022	32.3781	34.667
FBgn02643	38810	CG43780	0.02261	0.02261	1	0.149946	26.4649	28.9503
FBgn02643	14462836	CG43781	0.02261	0.02261	1	0.149946	26.4649	28.9503
FBgn00275	43266	CG5815	0.02258	0.02258	1	0.21067	7.36838	8.40772
FBgn00104	40134	Taf6	0.022543	0.022543	1	0.191113	10.3463	11.6463
FBgn00504	246629	CG30466	-0.02251	0.022506	1	-0.150635	19.2378	17.084
FBgn00046	31722	fs(1)h	0.0225	0.0225	1	0.0959415	7.39618	7.7933
FBgn00005	40940	dsx	-0.02243	0.022432	1	-0.114432	8.78766	8.00266
FBgn00386	42268	Mpc1	0.022412	0.022412	1	0.0829711	148.398	154.966
FBgn00854	5740661	CG34457	0.022334	0.022334	1	0.115738	53.1835	56.8136
FBgn00053	40133	ash1	0.022254	0.022254	1	0.101731	12.9813	13.7333
FBgn00377	41194	CG8478	0.022152	0.022152	1	0.125953	25.1856	27.096
FBgn00334	35987	CG12929	0.022131	0.022131	1	0.379863	7.97358	10.2407
FBgn00118	37397	CG4038	0.022118	0.022118	1	0.234757	13.7435	15.9472
FBgn00263	33468	Taf10b	-0.0221	0.022102	1	-0.206275	36.5458	31.2204
FBgn00359	39096	CG3437	0.022056	0.022056	1	0.243185	10.767	12.567
FBgn00022	39855	Prosbeta6	-0.02203	0.02203	1	-0.118008	77.5285	70.4278
FBgn00310	32967	CG12237	-0.02202	0.022018	1	-0.192202	14.2097	12.2588
FBgn00285	38170	robl62A	-0.022	0.022002	1	-0.0796752	266.403	248.53
FBgn02678	26067449	asRNA:CR4	0.02198	0.02198	1	0.169777	39.8429	44.1889
FBgn00116	31240	Klp3A	-0.02189	0.021891	1	-0.110929	18.7404	17.1079
FBgn00375	40980	mRpL1	0.021879	0.021879	1	0.186054	18.4162	20.6573
FBgn00511	42221	CG31122	0.021868	0.021868	1	0.162177	8.70956	9.60874
FBgn00354	38406	CG14968	-0.02186	0.02186	1	-0.178518	21.8635	19.0425
FBgn00471	251645	CG32276	0.021847	0.021847	1	0.0797422	217.052	226.152
FBgn00372	40542	Vps24	0.02179	0.02179	1	0.089866	40.6816	42.6857
FBgn00321	34289	CG13117	0.021757	0.021757	1	0.196556	15.1285	17.0938
FBgn02630	35698	CG43340	0.021686	0.021686	1	0.0717834	18.1504	18.8073
FBgn02629	12798001	CG43271	-0.02165	0.021648	1	-0.394097	9.76297	7.30913
FBgn00199	41864	Surf4	0.021619	0.021619	1	0.105426	54.1051	57.3862
FBgn00157	42841	Rab7	0.021574	0.021574	1	0.0685407	168.475	174.181

FBgn00409	50405	CG9034	-0.02157	0.021569	1	-0.445132	8.67149	6.26062
FBgn00308	32690	wcy	0.021537	0.021537	1	0.138003	7.92396	8.59657
FBgn00526	326225	CG32633	-0.02151	0.021513	1	-0.298147	6.4837	5.19399
FBgn00374	40779	CG10298	-0.0215	0.021505	1	-0.1601	47.7751	42.1477
FBgn00356	38645	CG10576	0.021488	0.021488	1	0.0850685	81.8668	85.6146
FBgn00450	41839	tefu	-0.02144	0.021436	1	-0.113931	9.35036	8.51805
FBgn00511	42842	LSm3	0.02142	0.02142	1	0.277079	13.9249	16.6416
FBgn02596	42896	crb	0.021355	0.021355	1	0.10254	11.6293	12.3099
FBgn00014	31239	egh	0.021302	0.021302	1	0.0850321	33.1747	34.6925
FBgn02651	36429	CG44251	0.02124	0.02124	1	0.143899	21.3227	23.2275
FBgn00362	39348	SdhAL	-0.0212	0.021197	1	-0.128424	27.3923	24.704
FBgn00243	43978	Plap	-0.02113	0.021127	1	-0.117536	25.2946	22.9854
FBgn02508	49701	gish	-0.02109	0.021086	1	-0.0576379	70.3234	66.616
FBgn00382	41789	CG14855	0.021031	0.021031	1	0.473655	1.33889	1.83747
FBgn02508	3346141	CG33521	-0.02103	0.021026	1	-0.0826817	56.3282	52.4396
FBgn00034	32498	sog	0.021018	0.021018	1	0.128041	8.38255	9.03146
FBgn00359	39065	UGP	0.020966	0.020966	1	0.0614122	128.503	132.2
FBgn00227	36382	Sin3A	0.02096	0.02096	1	0.0831699	17.24	18.0055
FBgn00515	40661	CG31550	-0.02094	0.02094	1	-0.130507	16.7983	15.1277
FBgn00338	36458	CG4630	-0.02093	0.020932	1	-0.237853	6.84313	5.71844
FBgn02639	32448	CG43737	-0.02087	0.020872	1	-0.165097	4.05156	3.56192
FBgn00255	42821	Pli	0.02083	0.02083	1	0.117231	22.4602	24.0182
FBgn00306	32533	CG15602	0.020823	0.020823	1	0.174346	19.2284	21.3936
FBgn00035	3354994	su(f)	0.020781	0.020781	1	0.157069	10.9326	12.0186
FBgn00316	33686	mxt	0.020777	0.020777	1	0.0857958	36.2653	37.9446
FBgn02646	38491	ens	0.020748	0.020748	1	0.0737603	39.3476	40.8276
FBgn00852	5740746	CG34172	0.020644	0.020644	1	0.210153	17.7219	20.2144
FBgn00377	41162	bocks	0.02062	0.02062	1	0.169833	17.8252	19.7704
FBgn00358	38852	CG7716	-0.02058	0.020583	1	-0.0933389	52.822	48.8131
FBgn00307	32666	CG4768	-0.02052	0.020522	1	-0.1336	14.4452	12.9807
FBgn00345	37387	cpa	0.020482	0.020482	1	0.104618	45.9432	48.7021
FBgn00391	42899	CG5728	0.020471	0.020471	1	0.148268	8.13382	8.88734
FBgn00349	37855	CG13564	-0.02047	0.020469	1	-0.386776	10.9558	8.2447
FBgn00379	41436	CG6962	0.020416	0.020416	1	0.245867	4.67534	5.46718

FBgn02649	14462487	asRNA:CR4	0.020316	0.020316	1	0.325356	16.2449	20.0809
FBgn00303	32195	Rab40	0.020297	0.020297	1	0.227198	8.076	9.32179
FBgn00357	38819	Sec63	-0.02012	0.020117	1	-0.0909344	45.2424	41.8785
FBgn02597	33893	CG42370	0.020088	0.020088	1	0.139069	20.9419	22.7364
FBgn00103	40813	Taf1	0.019927	0.019927	1	0.109962	11.1695	11.8842
FBgn00512	41443	CG31211	-0.01992	0.019923	1	-0.123805	21.3846	19.3478
FBgn00532	2768993	CG33290	0.019891	0.019891	1	0.181617	35.4598	39.6526
FBgn00323	34613	CG12264	-0.01988	0.019884	1	-0.104255	61.4901	56.3942
FBgn02650	42742	Irk1	0.019832	0.019832	1	0.110881	14.3114	15.2369
FBgn00402	53437	Sulf1	0.019822	0.019822	1	0.100298	18.1762	19.21
FBgn00338	36498	mars	0.019749	0.019749	1	0.126234	11.3363	12.1986
FBgn02625	12798080	CG43123	-0.01968	0.019678	1	-0.198107	21.9866	18.8899
FBgn00043	32115	Ptp10D	0.019676	0.019676	1	0.106281	9.54454	10.1294
FBgn00350	37961	Eps-15	-0.01966	0.019662	1	-0.0959771	21.0897	19.4534
FBgn02644	34560	ab	-0.01965	0.019655	1	-0.213035	2.55565	2.17296
FBgn00295	44007	COQ7	-0.01963	0.019626	1	-0.186466	27.5591	23.8705
FBgn00155	42817	mbc	0.019595	0.019595	1	0.0865233	18.7736	19.6529
FBgn02659	19835493	CR44744	-0.01959	0.019589	1	-0.29786	8.78381	7.0379
FBgn00500	246393	CG30016	-0.01957	0.019573	1	-0.273375	24.6893	20.1247
FBgn02663	19835103	asRNA:CR4	0.019557	0.019557	1	0.141006	14.917	16.217
FBgn00352	38185	CG12004	0.019533	0.019533	1	0.0893957	34.6719	36.3681
FBgn00032	41140	Ras85D	0.019456	0.019456	1	0.107096	41.44	44.0041
FBgn00263	32743	RhoGAPp1	0.019412	0.019412	1	0.100391	11.725	12.3927
FBgn00323	34619	CG6766	0.019397	0.019397	1	0.0928333	61.7153	64.8889
FBgn00203	38017	Pdk1	0.019364	0.019364	1	0.0737245	32.37	33.5867
FBgn02607	40788	CG42564	-0.01935	0.019348	1	-0.109553	52.0563	47.5669
FBgn00373	40728	CG1213	-0.01925	0.01925	1	-0.0689507	113.917	107.068
FBgn00405	53425	Alk	-0.01924	0.019242	1	-0.122045	6.56441	5.94646
FBgn00383	41891	obe	0.019234	0.019234	1	0.13174	7.00151	7.5629
FBgn00393	43091	Npl4	0.019228	0.019228	1	0.0600616	153.498	157.766
FBgn00362	39373	CG17154	-0.01922	0.019223	1	-0.173541	48.059	42.0031
FBgn00031	41772	put	0.019204	0.019204	1	0.11645	16.3666	17.4924
FBgn00306	32488	CG7860	-0.01918	0.019181	1	-0.492129	2.46362	1.71979
FBgn00839	318566	CG34133	0.019177	0.019177	1	0.0867023	32.2943	33.8109

FBgn00341	36907	ste24b	-0.01917	0.019165	1	-0.121944	43.6472	39.5412
FBgn02672	19835423	CR45654	0.0191	0.0191	1	0.71627	1.56168	2.5542
FBgn00611	36332	CG13164	0.019078	0.019078	1	0.0451842	304.929	310.193
FBgn00300	31777	CG12123	-0.01905	0.01905	1	-0.238019	14.0098	11.7058
FBgn00016	32083	dlg1	0.019041	0.019041	1	0.0827109	13.4791	14.0732
FBgn00045	33608	slp2	0.019035	0.019035	1	0.61284	0.616344	0.934671
FBgn00390	42731	CG6733	0.018964	0.018964	1	0.150108	27.6343	30.2329
FBgn00329	35400	CG8671	0.018918	0.018918	1	0.10458	16.6285	17.6265
FBgn02613	8674088	CG42634	-0.01889	0.018887	1	-0.184652	24.3984	21.1595
FBgn02613	35075	CG42635	-0.01889	0.018887	1	-0.184652	24.3984	21.1595
FBgn02625	38981	CG43078	0.018825	0.018825	1	0.0672796	18.6108	19.2242
FBgn00332	35754	CG2915	0.018795	0.018795	1	0.130164	28.4739	30.7234
FBgn00514	326136	Npc2e	0.018734	0.018734	1	0.0967283	155.565	164.008
FBgn00104	43283	pll	-0.0187	0.0187	1	-0.224836	8.51046	7.17665
FBgn00140	41139	Rlb1	0.018649	0.018649	1	0.238936	8.47292	9.86024
FBgn00359	39028	Srp68	0.018631	0.018631	1	0.116998	30.1021	32.1848
FBgn00388	42468	CG15695	-0.01858	0.018585	1	-0.145668	15.4708	13.7861
FBgn00366	39824	Gagr	-0.01858	0.018578	1	-0.170201	13.0006	11.3889
FBgn00375	40928	CG17816	-0.01857	0.018574	1	-0.107526	11.8616	10.8539
FBgn00370	40332	CG10565	0.018524	0.018524	1	0.0868545	52.9728	55.4664
FBgn00140	42366	Ask1	0.018439	0.018439	1	0.109177	14.635	15.563
FBgn00372	40527	aux	0.01842	0.01842	1	0.106855	17.5459	18.6285
FBgn00402	53503	Ugt86Dh	-0.0184	0.018396	1	-0.179618	13.0275	11.3378
FBgn00650	32696	Arpc3B	-0.01839	0.018387	1	-0.190215	29.7523	25.7028
FBgn00520	39206	CG32066	0.018361	0.018361	1	0.146253	14.7032	16.0429
FBgn00262	44260	eIF1A	0.018347	0.018347	1	0.0621902	191.526	197.142
FBgn02625	40168	Rab8	0.018337	0.018337	1	0.0895833	53.3901	56.0093
FBgn00299	31688	CG10920	-0.01833	0.018327	1	-0.134344	28.5475	25.64
FBgn00402	42853	SMC1	0.018147	0.018147	1	0.125008	13.8183	14.8567
FBgn02659	38259	mv	0.018121	0.018121	1	0.104227	7.42392	7.8676
FBgn00399	43842	Gyf	0.018093	0.018093	1	0.0686325	46.9032	48.4947
FBgn00296	31335	HIP-R	0.018061	0.018061	1	0.103612	39.876	42.2411
FBgn00037	35225	FBgn00037	0.018052	0.018052	1	0.0963679	19.4572	20.5079
FBgn00324	34681	spict	0.017966	0.017966	1	0.131906	32.5647	35.1799

FBgn00339	36669	ADPS	-0.01793	0.017926	1	-0.1736	9.98411	8.72562
FBgn00362	39386	eIF3l	0.017919	0.017919	1	0.0696784	128.541	132.999
FBgn00853	42820	CG34355	0.017888	0.017888	1	0.161926	5.26877	5.81173
FBgn00373	40672	CG12746	0.017843	0.017843	1	0.125472	32.0217	34.4392
FBgn00027	45906	mr	0.017772	0.017772	1	0.138786	16.4663	17.8737
FBgn00160	45577	Faa	0.017767	0.017767	1	0.167571	19.1183	21.1713
FBgn00514	318765	CG31493	-0.01774	0.017742	1	-0.217141	17.1915	14.5752
FBgn02640	14462672	CR43754	-0.01774	0.017737	1	-0.178677	23.5003	20.4656
FBgn00383	41887	AdamTS-A	0.01773	0.01773	1	0.149811	4.54168	4.96775
FBgn00157	38930	Rab19	0.017641	0.017641	1	0.150391	31.5057	34.4753
FBgn00434	36214	lambdaTry	-0.01763	0.017627	1	-0.118259	69.9254	63.5096
FBgn00334	36077	CG12209	-0.01762	0.017618	1	-0.149478	30.8986	27.4611
FBgn00249	38029	NitFhit	0.017531	0.017531	1	0.135902	28.8263	31.2277
FBgn00315	33626	CG3714	0.017466	0.017466	1	0.100303	27.6882	29.2632
FBgn00327	35146	CG10602	0.017462	0.017462	1	0.0889112	51.0288	53.5072
FBgn00234	37804	Taldo	-0.01745	0.017446	1	-0.105364	77.8136	71.3098
FBgn00341	36903	CG6665	0.017426	0.017426	1	0.202347	12.6176	14.3144
FBgn00388	42545	CG7956	0.017299	0.017299	1	0.110714	14.16	15.0739
FBgn00521	317909	CG32198	0.017245	0.017245	1	0.153226	70.5222	77.3212
FBgn00311	33078	Ntf-2	0.017232	0.017232	1	0.115897	17.141	18.3131
FBgn00390	42749	EloA	0.017219	0.017219	1	0.145647	12.9874	14.1648
FBgn00320	34147	CG7778	0.017192	0.017192	1	0.113712	31.0111	33.0813
FBgn00647	39267	CG7600	0.01718	0.01718	1	0.113721	20.494	21.8623
FBgn00409	50379	CG15578	-0.01717	0.017166	1	-0.248204	31.7598	26.3481
FBgn00364	39616	CG17839	-0.01715	0.017149	1	-0.0897229	20.8195	19.2877
FBgn00027	2768853	mei-W68	0.017106	0.017106	1	0.200226	7.81002	8.84722
FBgn00297	31371	CG15572	-0.01702	0.017015	1	-0.0935072	47.9468	44.3026
FBgn00006	31166	Actn	-0.01697	0.016971	1	-0.0889214	24.4573	22.6705
FBgn00536	49968	Cadps	-0.01697	0.016968	1	-0.0854816	24.6505	22.9041
FBgn00350	37943	CG4781	0.016958	0.016958	1	0.137485	27.253	29.5557
FBgn00314	33488	CG2991	0.016936	0.016936	1	0.111881	20.3467	21.6774
FBgn00267	43785	Rad23	0.016846	0.016846	1	0.0788181	80.8682	84.2046
FBgn00518	318958	CG31814	-0.01683	0.016827	1	-0.308083	2.12072	1.687
FBgn02644	14462768	CR43853	-0.01676	0.016757	1	-0.740057	1.57768	0.918269

FBgn02663	32688	CG45002	-0.01675	0.016753	1	-0.165301	3.76147	3.30638
FBgn00272	32483	Gmap	-0.01674	0.016738	1	-0.0870456	22.0896	20.5024
FBgn00361	39240	CG7839	0.016735	0.016735	1	0.15816	8.23566	9.06064
FBgn00360	39210	CG8003	0.016728	0.016728	1	0.209647	10.3716	11.8262
FBgn00526	3772397	CR32657	-0.01673	0.016725	1	-0.117278	188.817	171.609
FBgn00323	34620	CG6785	-0.01671	0.016711	1	-0.260616	2.98327	2.45352
FBgn02675	26067254	asRNA:CR4	-0.01664	0.016642	1	-0.0691012	184.046	172.962
FBgn00003	33934	cup	-0.01655	0.016547	1	-0.063442	69.8781	65.9281
FBgn00384	41967	CG6126	-0.01653	0.016533	1	-0.134658	22.8495	20.5178
FBgn00324	34716	Pect	-0.01648	0.016483	1	-0.0559089	192.13	182.219
FBgn00504	246605	CG30423	0.016431	0.016431	1	0.119219	89.6603	96.0118
FBgn00359	39074	CG4461	-0.01635	0.016351	1	-0.0985408	114.734	105.644
FBgn00314	33518	SerRS	-0.01634	0.016344	1	-0.133781	25.7113	23.1016
FBgn00839	4379854	CG34114	-0.01631	0.016314	1	-0.18561	3.27738	2.84039
FBgn00361	39306	PCID2	0.016312	0.016312	1	0.249235	8.54916	10.0207
FBgn00332	35795	Gasz	0.016272	0.016272	1	0.194046	10.0121	11.2931
FBgn00314	33431	CG9886	-0.01625	0.016247	1	-0.199705	5.46966	4.69401
FBgn00263	252671	X11L	0.016222	0.016222	1	0.112365	11.7664	12.5402
FBgn02653	19835613	CG44286	-0.01617	0.016172	1	-0.0967058	41.7605	38.5008
FBgn00312	33175	CG11454	-0.01615	0.016146	1	-0.227812	17.237	14.5052
FBgn00330	35503	CG8245	-0.01611	0.016106	1	-0.111174	56.5429	51.6082
FBgn00000	48445	Acph-1	0.016024	0.016024	1	0.140334	19.6872	21.3929
FBgn00290	40442	Chs2	-0.016	0.016001	1	-0.147253	8.76318	7.80029
FBgn00030	38879	pbl	0.015943	0.015943	1	0.152854	5.65655	6.2003
FBgn02664	12798215	asRNA:CR4	-0.01594	0.01594	1	-0.27688	5.16467	4.1994
FBgn00232	37149	edl	0.015937	0.015937	1	0.237538	8.31903	9.67177
FBgn00368	40075	SmydA-2	-0.0159	0.015904	1	-0.294861	4.94406	3.96961
FBgn02600	42514	Snmp1	-0.01588	0.015884	1	-0.166999	13.1593	11.5535
FBgn00402	53565	bor	-0.01585	0.015854	1	-0.106403	33.3294	30.5216
FBgn00354	38405	CG12009	-0.01578	0.015776	1	-0.359338	1.73157	1.32856
FBgn00323	34508	CG14070	-0.01574	0.015738	1	-0.199948	16.607	14.2495
FBgn00513	42736	CG31365	0.01571	0.01571	1	0.20343	7.31188	8.30142
FBgn00369	40226	CG17122	-0.01568	0.015681	1	-0.113355	36.2328	33.0206
FBgn00310	3772349	Tyler	-0.01567	0.015669	1	-0.178575	7.77317	6.76982

FBgn00310	3772641	Shawn	-0.01567	0.015669	1	-0.178575	7.77317	6.76982
FBgn00377	41203	CG8500	-0.01566	0.015663	1	-0.124742	16.2232	14.6684
FBgn00313	33350	Rim2	0.015634	0.015634	1	0.0996055	36.6651	38.732
FBgn00011	41503	GstD1	-0.01562	0.01562	1	-0.0640413	334.834	315.775
FBgn00031	48531	Pp1-13C	-0.01561	0.015615	1	-0.113839	36.8746	33.5942
FBgn00304	32262	CG15717	-0.0156	0.015602	1	-0.125172	15.4235	13.9412
FBgn00257	43766	PlexB	0.015562	0.015562	1	0.0975698	13.1894	13.9133
FBgn02639	53557	esn	-0.01554	0.015545	1	-0.337552	1.1648	0.907542
FBgn00275	38886	CG8042	-0.01553	0.015529	1	-0.0738585	89.818	84.1306
FBgn00357	38772	CG14823	-0.01545	0.015447	1	-0.178256	11.0917	9.66217
FBgn02633	12798021	CR43414	0.015395	0.015395	1	0.361481	7.19501	9.1225
FBgn00276	43751	Acf	0.015302	0.015302	1	0.125482	10.0408	10.7989
FBgn00359	39079	CG4080	0.015302	0.015302	1	0.125482	14.769	15.8841
FBgn00857	5740694	CR41544	0.015254	0.015254	1	0.212711	28.476	32.5392
FBgn00157	34636	Rab6	0.015235	0.015235	1	0.109244	37.1634	39.5217
FBgn02612	42269	CG42613	-0.01523	0.015233	1	-0.0672841	28.1523	26.4902
FBgn00394	43182	CG12290	0.015223	0.015223	1	0.127618	10.9965	11.8443
FBgn00139	42481	Calx	0.015188	0.015188	1	0.0732163	20.91	21.6883
FBgn00402	53515	Myo28B1	-0.0151	0.015099	1	-0.118304	8.51443	7.73294
FBgn00374	40866	CG14606	0.015086	0.015086	1	0.143608	19.3418	21.0655
FBgn00260	39841	Mipp1	-0.01508	0.015083	1	-0.121025	28.9306	26.2256
FBgn00305	32395	mRpS25	0.015021	0.015021	1	0.233546	19.4342	22.5317
FBgn00117	41311	Fdh	-0.01501	0.015009	1	-0.125688	41.2627	37.2837
FBgn00306	32532	CG8974	0.014999	0.014999	1	0.0726317	104.539	108.386
FBgn00373	40626	Mms19	0.01498	0.01498	1	0.105397	23.5922	25.0224
FBgn00341	36912	Ehbp1	0.014952	0.014952	1	0.0777053	33.9957	35.371
FBgn00337	36438	CG3955	-0.01493	0.014927	1	-0.272961	10.682	8.70937
FBgn00202	41770	stumps	0.0149	0.0149	1	0.164481	4.87199	5.38361
FBgn02667	19835029	CR45197	0.014886	0.014886	1	0.0992069	59.7936	63.1469
FBgn00522	12798359	asRNA:CR3	-0.01487	0.014874	1	-0.225906	16.003	13.4846
FBgn02610	41302	Cad86C	0.014864	0.014864	1	0.17654	3.17529	3.53825
FBgn02640	39533	dysc	0.014851	0.014851	1	0.106956	7.14084	7.58194
FBgn00289	35932	CG8788	-0.0148	0.014801	1	-0.0964482	52.6938	48.5894
FBgn02663	19836125	asRNA:CR4	0.014789	0.014789	1	0.196761	13.8399	15.6402

FBgn00284	44482	Met75Ca	-0.01475	0.014751	1	-0.0516613	1998.86	1901.34
FBgn02664	33859	Kr-h2	0.014721	0.014721	1	0.090972	60.873	63.9208
FBgn00353	38286	CG1275	-0.01471	0.014713	1	-0.0958689	48.532	44.7697
FBgn00521	317897	CG32181	-0.0147	0.0147	1	-0.0770623	75.0998	70.1882
FBgn00275	38463	CG10863	-0.01468	0.014684	1	-0.087484	115.593	107.254
FBgn00205	38340	Acp62F	-0.01468	0.014679	1	-0.0887052	254.265	235.723
FBgn00379	41417	CG14721	-0.01464	0.01464	1	-0.134995	35.6968	32.0464
FBgn00104	39916	TpnC73F	0.014634	0.014634	1	0.133654	41.1453	44.5035
FBgn00393	43114	CG4956	0.014616	0.014616	1	0.242383	11.0101	12.8438
FBgn00115	36217	etaTry	-0.01461	0.014609	1	-0.183149	26.6162	23.1068
FBgn00397	43526	Prtl99C	-0.01454	0.014538	1	-0.107586	73.6756	67.4133
FBgn00257	45757	beta'COP	0.01451	0.01451	1	0.0949023	31.5885	33.2606
FBgn02621	36048	magu	0.014481	0.014481	1	0.133991	13.4322	14.5319
FBgn00303	32104	CG11696	-0.01446	0.014462	1	-0.339834	3.06059	2.38078
FBgn00392	42935	puf	0.014462	0.014462	1	0.0870916	8.85432	9.27266
FBgn00327	35140	CG17597	-0.01445	0.014448	1	-0.137828	25.3549	22.7173
FBgn00167	42824	sba	0.014444	0.014444	1	0.128913	7.34212	7.91528
FBgn00366	39818	roq	0.014403	0.014403	1	0.110615	10.8814	11.5829
FBgn00367	39965	CG7510	0.014378	0.014378	1	0.086505	27.8194	29.1219
FBgn00517	318904	CG31702	-0.01437	0.014367	1	-0.232501	8.60215	7.21509
FBgn00043	31425	Ptp4E	0.014352	0.014352	1	0.106395	10.1779	10.8024
FBgn02590	7354415	CG42246	-0.01432	0.014319	1	-0.35697	10.7281	8.2449
FBgn02508	40807	glob2	-0.01429	0.014286	1	-0.128026	20.7117	18.684
FBgn00392	42972	CG3744	0.014251	0.014251	1	0.116066	12.6875	13.5566
FBgn00323	3772412	CG4970	-0.01424	0.01424	1	-0.113799	30.4911	27.7793
FBgn00386	42301	CG14282	-0.01424	0.014238	1	-0.178741	25.75	22.4235
FBgn02664	19834760	CG45076	0.014105	0.014105	1	0.0713974	57.4492	59.5125
FBgn00314	33481	CG2975	-0.0141	0.0141	1	-0.184855	12.5454	10.8783
FBgn00526	318140	CG32651	0.014091	0.014091	1	0.108118	18.9465	20.133
FBgn00365	39775	CG5027	0.014008	0.014008	1	0.138448	21.3702	23.1914
FBgn02626	41256	CG43143	0.013993	0.013993	1	0.0913026	7.92762	8.32645
FBgn00138	42485	Dhc93AB	-0.01393	0.013929	1	-0.215178	1.22659	1.04133
FBgn02435	42389	psidin	0.013923	0.013923	1	0.100515	23.7414	25.0956
FBgn02634	12798169	snoRNA:CG	0.013893	0.013893	1	0.317971	42.3719	52.1086

FBgn00326	35109	CG15160	0.013892	0.013892	1	0.188333	4.95556	5.56747
FBgn00202	37602	Ppa	-0.01387	0.013866	1	-0.143081	10.0939	9.0109
FBgn00322	34395	GATAd	0.013823	0.013823	1	0.12055	14.9288	16.0011
FBgn00634	37105	GstE10	-0.01378	0.013784	1	-0.199104	17.7776	15.2628
FBgn00378	41253	CG3999	0.013777	0.013777	1	0.20351	5.22732	5.93509
FBgn02673	2768920	squ	0.01375	0.01375	1	0.159442	20.9968	23.1207
FBgn00398	43747	sip3	0.013739	0.013739	1	0.0866985	44.3337	46.4157
FBgn00287	37528	Fmr1	0.013711	0.013711	1	0.086989	23.8375	24.9619
FBgn00349	37852	CG3209	0.013702	0.013702	1	0.0820624	59.0676	61.6431
FBgn00852	5740704	CG34212	0.0137	0.0137	1	0.0801223	398.38	415.191
FBgn00331	35631	CG12831	0.013669	0.013669	1	0.125907	13.6446	14.6791
FBgn00033	32007	sesB	-0.01365	0.013654	1	-0.0371552	591.867	568.684
FBgn00030	31391	peb	0.013651	0.013651	1	0.143879	4.8697	5.30466
FBgn00407	50208	CG16836	0.013633	0.013633	1	0.115366	156.748	167.404
FBgn00157	33953	nrv2	0.013627	0.013627	1	0.0696918	56.3146	58.2682
FBgn00866	37310	CG12484	0.013582	0.013582	1	0.202112	3.07448	3.48736
FBgn00313	326153	tho2	0.013519	0.013519	1	0.107555	13.0388	13.85
FBgn00345	37405	CG9406	-0.01351	0.013509	1	-0.16797	39.2407	34.4288
FBgn00352	38149	Ctr9	-0.0135	0.0135	1	-0.093753	26.9756	24.9209
FBgn00305	32415	CG9519	0.01349	0.01349	1	0.182859	10.3899	11.6285
FBgn00348	37698	CG9875	-0.01349	0.013486	1	-0.151328	49.1377	43.6145
FBgn02663	40521	nAChRalph	-0.01348	0.013483	1	-0.142149	6.78389	6.05993
FBgn00371	40414	CG11247	0.013478	0.013478	1	0.114323	21.3628	22.7985
FBgn02633	41387	Mrp4	0.013446	0.013446	1	0.103135	16.4157	17.3835
FBgn02643	14462628	CR43793	-0.0134	0.0134	1	-0.563682	6.39551	4.23929
FBgn02652	41412	CG14717	-0.0134	0.013397	1	-0.137464	24.2295	21.7144
FBgn00242	44433	Hs2st	0.013386	0.013386	1	0.164362	16.2093	17.91
FBgn02627	35336	Fs(2)Ket	0.01337	0.01337	1	0.0735739	24.3138	25.225
FBgn00306	32442	Rab3-GEF	-0.01336	0.013359	1	-0.13325	5.41687	4.86883
FBgn00012	36057	Jra	0.013315	0.013315	1	0.107648	42.6413	45.297
FBgn02632	318843	CG43394	0.013307	0.013307	1	0.111267	14.0387	14.9506
FBgn00516	318865	CG31636	-0.01326	0.013265	1	-0.285263	6.13981	4.96293
FBgn02609	41611	pic	0.013245	0.013245	1	0.0924319	25.7431	27.0594
FBgn00517	261620	CG31709	0.013245	0.013245	1	0.0599198	208.539	214.317

FBgn02600	40931	wtrw	0.013226	0.013226	1	0.103884	17.3831	18.4176
FBgn00253	37782	CG4585	0.013215	0.013215	1	0.176269	11.4744	12.7836
FBgn00380	41559	CG6225	0.013202	0.013202	1	0.169316	8.4682	9.38896
FBgn02674	26067053	kl-3	0.013174	0.013174	1	0.173323	1.70862	1.89968
FBgn00323	34496	CG6700	0.01317	0.01317	1	0.075292	36.2084	37.6102
FBgn00255	37493	PpN58A	-0.01309	0.013086	1	-0.166097	24.7483	21.7419
FBgn00284	41677	f-cup	-0.01307	0.013067	1	-0.0662995	66.2347	62.3668
FBgn00320	34183	CG13096	0.013001	0.013001	1	0.146378	14.0962	15.382
FBgn02643	14462390	CR43836	0.012956	0.012956	1	0.494932	1.43084	1.99381
FBgn00288	34911	CG15256	-0.01287	0.012874	1	-0.121516	39.455	35.7537
FBgn02649	34112	Piezo	0.012869	0.012869	1	0.101987	7.20657	7.6254
FBgn00137	37837	Chi	-0.01287	0.012867	1	-0.282015	4.37031	3.54066
FBgn00312	33155	CG11023	-0.01286	0.012865	1	-0.163322	16.0775	14.1517
FBgn00359	39063	PGRP-LC	0.012854	0.012854	1	0.0932471	26.777	28.1621
FBgn00344	37259	CG11018	-0.01285	0.012848	1	-0.10472	63.5992	58.3093
FBgn00329	35374	FBgn00329	-0.01283	0.012833	1	-0.132531	13.6189	12.2472
FBgn00353	38302	mRpL23	0.01278	0.01278	1	0.222792	19.3731	22.2934
FBgn00043	45374	fwd	0.012765	0.012765	1	0.0675088	28.3638	29.3033
FBgn00380	41498	MBD-R2	0.012759	0.012759	1	0.104036	19.3797	20.5352
FBgn02619	38059	Ptpmeg	-0.01271	0.012714	1	-0.095583	20.9521	19.3317
FBgn02625	35944	VhaAC45	-0.01267	0.012674	1	-0.0551733	181.468	172.195
FBgn00377	41209	FBXO11	0.012619	0.012619	1	0.112724	11.0082	11.7351
FBgn00398	43698	mRpL32	0.012615	0.012615	1	0.244836	15.6017	18.2313
FBgn00001	42946	asp	0.012575	0.012575	1	0.138605	6.12026	6.64256
FBgn00394	43247	CG6295	-0.01257	0.012573	1	-0.134556	41.7481	37.4903
FBgn00328	35311	Arpc2	0.012559	0.012559	1	0.0950097	46.6401	49.1126
FBgn00376	41029	CG9773	0.012535	0.012535	1	0.193381	18.0838	20.3882
FBgn02616	39453	CG42709	0.012497	0.012497	1	0.157202	12.1618	13.3712
FBgn02634	12798366	asRNA:CR4	0.012477	0.012477	1	0.1928	10.3538	11.6685
FBgn00318	33983	uif	-0.01247	0.012465	1	-0.167126	2.42308	2.12719
FBgn02671	19835387	CR45591	-0.01243	0.012427	1	-0.480634	9.96537	7.01338
FBgn00366	39904	CG7728	0.012415	0.012415	1	0.157867	7.86907	8.6556
FBgn00390	42679	wfs1	0.012392	0.012392	1	0.139094	14.3666	15.5979
FBgn00157	34840	Rab14	0.012316	0.012316	1	0.0920199	53.1125	55.8123

FBgn00323	34608	CG6686	0.012304	0.012304	1	0.0974782	26.8537	28.3257
FBgn00254	43490	Bub3	0.012291	0.012291	1	0.190819	13.9237	15.6701
FBgn02679	3355096	Tim23	-0.01227	0.012266	1	-0.0759301	183.592	171.719
FBgn00000	42919	nAChRalph	-0.01219	0.012189	1	-0.259838	4.82276	3.96842
FBgn00302	32021	CG1582	0.012133	0.012133	1	0.104975	17.0523	18.0807
FBgn00368	40049	Indy	0.012125	0.012125	1	0.0666087	69.3129	71.5643
FBgn00365	39725	CG18081	0.012097	0.012097	1	0.124241	49.1472	52.8125
FBgn00372	40524	beta-Man	0.01206	0.01206	1	0.0886968	32.8935	34.4859
FBgn00348	37713	SkpF	-0.01206	0.012056	1	-0.165263	41.9699	36.8927
FBgn00007	44817	for	0.012026	0.012026	1	0.0740904	23.625	24.5192
FBgn00386	42207	hmw	-0.01201	0.012008	1	-0.0842081	62.6295	58.2438
FBgn00521	317858	CG32110	-0.01197	0.01197	1	-0.205072	13.5193	11.5586
FBgn00397	43583	AdoR	-0.01196	0.011957	1	-0.335787	1.95521	1.52524
FBgn00370	40381	Est-Q	0.011892	0.011892	1	0.119551	29.2981	31.3808
FBgn02674	26067042	CG45764	-0.01187	0.011865	1	-0.158405	33.7694	29.8262
FBgn00301	31914	CG1354	0.011851	0.011851	1	0.119592	28.8576	30.9099
FBgn00379	41449	GC2	-0.01181	0.01181	1	-0.11958	53.4624	48.5121
FBgn00320	34125	CG8292	-0.0118	0.011803	1	-0.115954	56.192	51.1176
FBgn00327	35167	CG15172	0.011797	0.011797	1	0.164758	35.1992	38.9031
FBgn00298	50391	Grip	0.011756	0.011756	1	0.275358	2.23842	2.67199
FBgn00298	31574	CG15894	-0.01167	0.011669	1	-0.228422	2.00088	1.68302
FBgn00343	37170	CG15096	-0.01167	0.011667	1	-0.10554	34.6349	31.736
FBgn00373	40729	CG14676	-0.01166	0.011656	1	-0.138451	44.061	39.4601
FBgn00117	43651	wts	-0.01162	0.01162	1	-0.116173	10.6185	9.65817
FBgn00357	38740	FBgn00357	-0.01159	0.011595	1	-0.0568865	109.579	103.856
FBgn02597	40351	pzg	0.011585	0.011585	1	0.119857	12.9284	13.8504
FBgn00368	40117	CG9449	-0.01154	0.011542	1	-0.105904	27.4122	25.1115
FBgn00306	32534	PGRP-LE	0.011535	0.011535	1	0.153465	14.6746	16.0921
FBgn00209	41347	RpL3	-0.01153	0.011529	1	-0.041939	318.336	304.854
FBgn02666	19835365	asRNA:CR4	0.011525	0.011525	1	0.17639	16.2475	18.1028
FBgn00866	32312	Tango13	0.011524	0.011524	1	0.113458	9.6051	10.2445
FBgn00393	43077	Vps33B	0.011511	0.011511	1	0.174807	10.9045	12.1364
FBgn00334	36061	dmpd	-0.0115	0.011503	1	-0.161996	12.0167	10.587
FBgn00318	33924	CG11050	0.011497	0.011497	1	0.0932614	38.9523	40.9676

FBgn00345	3772580	CG13430	0.01149	0.01149	1	0.25145	6.29101	7.38531
FBgn00345	3772419	CG18065	0.01149	0.01149	1	0.25145	6.29101	7.38531
FBgn02652	37070	pAbp	0.011486	0.011486	1	0.0302945	420.724	423.593
FBgn00299	31725	CG1571	-0.01148	0.011483	1	-0.125694	22.5135	20.3423
FBgn00045	38484	Gad1	-0.01143	0.011429	1	-0.0962436	25.2478	23.2845
FBgn00295	31132	CG14811	0.011377	0.011377	1	0.538898	2.22715	3.20259
FBgn00206	35950	Pkn	-0.01132	0.011319	1	-0.0693459	23.056	21.6638
FBgn00101	43604	hdc	0.0113	0.0113	1	0.106056	4.60951	4.89119
FBgn00013	31205	kz	0.011295	0.011295	1	0.250642	2.627	3.08223
FBgn00852	5740515	CG34178	-0.01125	0.011249	1	-0.136361	46.0879	41.3354
FBgn00025	3355130	lt	0.011228	0.011228	1	0.0842896	21.9272	22.9186
FBgn00361	39218	CG6418	0.011219	0.011219	1	0.155424	10.8142	11.875
FBgn02623	14462753	CR43051	0.011139	0.011139	1	0.198416	30.3613	34.3503
FBgn00026	37995	FBgn00026	-0.01114	0.011136	1	-0.0587567	214.035	202.593
FBgn00391	42901	CG6432	0.011108	0.011108	1	0.14819	12.0342	13.1484
FBgn00369	40263	CG11796	0.011052	0.011052	1	0.074686	102.562	106.488
FBgn02618	41817	CG42788	-0.01101	0.01101	1	-0.0909118	15.6459	14.4827
FBgn00309	32912	Mur18B	0.011007	0.011007	1	0.0519854	234.35	239.522
FBgn00270	39829	TyrRS	0.010953	0.010953	1	0.127809	25.577	27.5526
FBgn00360	39106	path	0.010918	0.010918	1	0.0529761	112.419	114.979
FBgn00381	41591	Paip2	0.010906	0.010906	1	0.0621903	118.086	121.549
FBgn00411	33496	lilli	0.010874	0.010874	1	0.1107	5.88408	6.26379
FBgn00369	40176	Pfdn6	-0.01082	0.010824	1	-0.145739	44.1228	39.3157
FBgn00409	50438	CG18661	0.010797	0.010797	1	0.377991	4.70766	6.03869
FBgn02662	19835774	asRNA:CR4	-0.01075	0.010749	1	-0.185129	8.24686	7.14954
FBgn00306	32436	dob	-0.01074	0.010742	1	-0.214267	9.054	7.69133
FBgn00421	59173	CG18812	0.010741	0.010741	1	0.0521728	67.9371	69.4454
FBgn02636	14462557	CG43647	-0.01072	0.010723	1	-0.588637	5.29649	3.44739
FBgn00385	42172	CG7208	-0.01067	0.010673	1	-0.115376	35.2206	32.0529
FBgn00352	38261	SCOT	-0.01065	0.010653	1	-0.116062	25.7403	23.414
FBgn00004	39733	Pka-C3	-0.01065	0.010649	1	-0.0765351	49.5319	46.3093
FBgn00525	32822	CG32549	-0.01064	0.010639	1	-0.0805987	39.2422	36.5857
FBgn02610	36040	TER94	0.010611	0.010611	1	0.0448984	156.777	159.452
FBgn00329	35386	CG9246	0.010534	0.010534	1	0.15075	13.0485	14.282

FBgn00133	41938	Sap47	0.010476	0.010476	1	0.0583508	43.2195	44.3686
FBgn00259	43803	Eph	0.010446	0.010446	1	0.0711383	29.7831	30.8472
FBgn00316	33752	TpnC25D	0.010432	0.010432	1	0.12103	40.5531	43.4805
FBgn00107	38593	Srp54k	0.010374	0.010374	1	0.0814977	61.6989	64.3638
FBgn00503	35828	Mal-A5	0.010358	0.010358	1	0.110989	29.2353	31.1281
FBgn00377	41207	CG9467	-0.01027	0.010274	1	-0.0990037	26.7485	24.6212
FBgn00364	39662	CG7255	-0.01025	0.010252	1	-0.098675	16.9693	15.6233
FBgn00311	33031	CG12679	-0.01021	0.010213	1	-0.18524	29.6384	25.6927
FBgn00307	32572	dpr18	-0.01019	0.010195	1	-0.192811	7.87677	6.79221
FBgn02616	44783	RpL37A	-0.01019	0.010194	1	-0.0761724	196.471	183.735
FBgn02626	12798119	CG43136	0.010193	0.010193	1	0.293746	10.2695	12.4172
FBgn00324	34712	CG5458	-0.01017	0.01017	1	-0.129559	37.6116	33.893
FBgn00371	40394	CG7634	-0.01011	0.010108	1	-0.0804919	71.0009	66.1994
FBgn00377	41152	CG9393	-0.01008	0.010078	1	-0.113422	39.6537	36.1363
FBgn00308	32694	CG16700	0.010072	0.010072	1	0.141518	14.6405	15.9221
FBgn00321	34252	CG3748	-0.01	0.009996	1	-0.133155	22.9483	20.6278
FBgn00353	38323	CG16985	-0.01	0.009996	1	-0.133155	69.6683	62.6236
FBgn00198	37912	FBgn00198	-0.00999	0.009989	1	-0.0624146	58.7066	55.4274
FBgn00217	47396	Tor	0.009964	0.009964	1	0.104207	8.79422	9.31966
FBgn00303	32167	Lsm12	0.009943	0.009943	1	0.134682	31.6964	34.3079
FBgn00501	246513	CG30197	0.009892	0.009892	1	0.0903466	201.352	211.342
FBgn00120	34805	Ance	0.009851	0.009851	1	0.0715971	75.828	78.5622
FBgn02627	40436	mub	-0.00983	0.009825	1	-0.0540505	26.5144	25.1791
FBgn00332	35744	Kdm4A	0.009785	0.009785	1	0.174698	11.0566	12.3048
FBgn00308	32742	CG5800	0.009717	0.009717	1	0.203679	6.04034	6.85904
FBgn00303	32173	Uch-L5R	-0.00967	0.009674	1	-0.160615	23.115	20.3845
FBgn00264	39587	Mpcp2	-0.00967	0.009668	1	-0.0510411	211.15	200.935
FBgn00049	44544	Hnf4	0.009626	0.009626	1	0.091132	17.5465	18.4271
FBgn00317	33864	FBgn00317	0.009544	0.009544	1	0.279246	11.2867	13.5096
FBgn00042	33473	Syt1	0.009536	0.009536	1	0.0600992	26.2183	26.9481
FBgn02650	14462447	asRNA:CR4	0.009357	0.009357	1	0.0836464	98.5017	102.909
FBgn02632	39238	Mocs1	0.009338	0.009338	1	0.132952	17.7987	19.242
FBgn02604	3885616	CG17140	-0.00933	0.00933	1	-0.101786	32.7	30.0412
FBgn02604	34497	CG17139	-0.00933	0.00933	1	-0.101786	32.7	30.0412

FBgn00341	36913	CG8963	0.009324	0.009324	1	0.0836397	41.3311	43.1804
FBgn02609	2768852	par-1	0.009313	0.009313	1	0.0492139	31.4804	32.1134
FBgn00001	40451	RpLP0	-0.00927	0.009266	1	-0.0545151	242.596	230.304
FBgn00363	39489	CG17300	-0.00924	0.009242	1	-0.14085	56.0905	50.1496
FBgn00368	40118	CG9451	0.009236	0.009236	1	0.100904	46.6878	49.3642
FBgn00307	32611	Traf-like	0.009218	0.009218	1	0.117702	22.3893	23.9501
FBgn00346	37513	CG11475	-0.0092	0.009197	1	-0.147256	22.8577	20.3458
FBgn00853	5740536	CG34310	-0.00917	0.009169	1	-0.0554058	67.5242	64.0632
FBgn00510	318582	CG31076	-0.00917	0.009166	1	-0.475056	5.65175	3.99328
FBgn00390	42723	CG17119	0.009138	0.009138	1	0.158944	17.357	19.1062
FBgn00140	35577	Rab2	-0.00913	0.009135	1	-0.0782444	81.3245	75.9432
FBgn00338	36515	S-Lap5	-0.00913	0.009134	1	-0.101189	38.1301	35.0443
FBgn00048	31848	His3.3B	-0.00903	0.009034	1	-0.0550186	122.253	116.018
FBgn00316	33700	hoe2	-0.00902	0.009021	1	-0.160304	10.3408	9.12122
FBgn00510	43688	mesh	0.008992	0.008992	1	0.0544085	59.4873	60.9023
FBgn00347	37554	Rtf1	0.008969	0.008969	1	0.089898	30.2873	31.78
FBgn00297	31390	CG12684	-0.00893	0.008926	1	-0.136649	46.8668	42.0254
FBgn00000	33847	ade2	-0.00888	0.008879	1	-0.123347	11.6206	10.517
FBgn00104	40738	Obp83b	-0.00883	0.00883	1	-0.273119	19.2224	15.6703
FBgn00520	317829	CG32026	0.008792	0.008792	1	0.0662255	80.478	83.07
FBgn00321	34241	CG9586	0.008779	0.008779	1	0.145519	34.0242	37.1055
FBgn02604	2768940	Pp2A-29B	0.008763	0.008763	1	0.0633099	77.1666	79.4911
FBgn00320	34122	CG8360	-0.00876	0.00876	1	-0.146154	45.7908	40.7899
FBgn00377	41212	CG16904	0.00875	0.00875	1	0.0486366	408.133	416.173
FBgn00437	37986	CG30427	-0.00874	0.008741	1	-0.125645	13.1106	11.8466
FBgn00852	5740338	CG34177	-0.00863	0.008627	1	-0.135436	47.7945	42.8935
FBgn00422	59235	Nplp3	0.008574	0.008574	1	0.288158	13.8516	16.6833
FBgn00218	47457	ytr	0.008572	0.008572	1	0.108967	27.9702	29.7394
FBgn00291	44496	Uba2	0.008559	0.008559	1	0.109946	26.0038	27.6674
FBgn02614	39983	Ir75c	0.008546	0.008546	1	1.6778	0.0891237	0.312356
FBgn02648	14462663	CR44074	0.008546	0.008546	1	1.6778	0.243917	0.854869
FBgn00337	36426	SCCRO3	-0.00854	0.008543	1	-0.0942794	43.2092	39.9033
FBgn00346	37465	CG10082	0.008526	0.008526	1	0.0793471	28.3532	29.5338
FBgn02619	34543	l(2)gd1	0.008467	0.008467	1	0.123154	15.4796	16.6215

FBgn00019	48775	Pgant35A	-0.00844	0.008438	1	-0.267569	4.87903	3.99295
FBgn00266	41913	alpha-Man	-0.00842	0.008415	1	-0.114027	10.0083	9.11671
FBgn00364	39652	Pex3	-0.00841	0.008411	1	-0.092341	49.763	46.0176
FBgn00043	34500	porin	-0.00841	0.008409	1	-0.0469652	154.853	147.778
FBgn00261	32752	par-6	0.008394	0.008394	1	0.0947429	27.6874	29.1497
FBgn00369	40189	Tom20	-0.00837	0.008374	1	-0.118633	55.0063	49.9457
FBgn00350	37934	CG3570	-0.00835	0.00835	1	-0.377796	4.88323	3.69779
FBgn00118	30984	Pgcl	-0.00832	0.008321	1	-0.204339	13.7759	11.7839
FBgn00311	33135	CG12576	-0.00831	0.008315	1	-0.0775252	50.0478	46.7594
FBgn00373	40719	CG2046	0.008308	0.008308	1	0.1111	65.9511	70.2266
FBgn00348	37674	Klp59D	-0.00827	0.008265	1	-0.0785834	53.8217	50.2484
FBgn02677	26067381	CR46064	0.008263	0.008263	1	0.187809	7.58975	8.52387
FBgn02638	38478	Rcd5	0.008196	0.008196	1	0.123458	23.9505	25.7227
FBgn00345	37374	CG9313	-0.00819	0.008192	1	-0.0780865	44.3077	41.3803
FBgn00832	32799	Frq2	0.008138	0.008138	1	0.117209	11.5779	12.3808
FBgn00315	33521	CG17221	-0.00813	0.008126	1	-0.159024	17.5561	15.4993
FBgn00376	41071	RagA-B	0.0081	0.0081	1	0.127555	30.7887	33.161
FBgn00174	32796	ari-1	0.008059	0.008059	1	0.0898362	19.4733	20.4322
FBgn00362	39326	Muc68D	-0.00805	0.008046	1	-0.0304149	272.264	262.824
FBgn00390	42788	GILT2	0.008003	0.008003	1	0.174584	30.7747	34.2461
FBgn00304	32269	CG12096	0.00799	0.00799	1	0.138986	11.2358	12.1979
FBgn00307	32637	mthl1	0.007978	0.007978	1	0.178489	4.10835	4.5842
FBgn00519	43808	gw	0.007968	0.007968	1	0.0486182	51.8956	52.9173
FBgn00327	35153	CG10623	0.007953	0.007953	1	0.114737	31.5947	33.7279
FBgn00136	19893558	mt:ND1	-0.00792	0.007921	1	-0.0310395	1303.92	1258.17
FBgn00227	41943	Hel89B	0.007898	0.007898	1	0.0794098	18.7011	19.4806
FBgn00352	38252	dsb	0.007885	0.007885	1	0.139233	7.63878	8.29431
FBgn00036	36080	Syb	0.007816	0.007816	1	0.0743897	115.003	119.38
FBgn02663	35362	Mtp	0.007655	0.007655	1	0.106633	21.7138	23.0499
FBgn00406	50079	CG6503	-0.00764	0.007641	1	-0.0528535	790.375	751.192
FBgn02671	19835642	CG45603	-0.00764	0.007638	1	-0.194209	38.1073	32.8279
FBgn00530	35799	LRP1	0.007628	0.007628	1	0.0958213	5.09594	5.3691
FBgn00364	39611	bmm	0.007622	0.007622	1	0.0845072	43.6097	45.5883
FBgn00158	37968	Reg-5	0.007608	0.007608	1	0.149823	17.0337	18.6319

FBgn00524	40366	CG32437	-0.00759	0.007592	1	-0.0701541	77.5403	72.817
FBgn00326	326156	CG31743	-0.00757	0.007566	1	-0.100327	34.7738	31.9787
FBgn00853	5740766	CG34313	-0.00757	0.007566	1	-0.100327	34.7738	31.9787
FBgn00405	12797896	CR17025	-0.00752	0.007519	1	-0.142969	5.55381	4.95824
FBgn00392	42976	CG11069	0.007518	0.007518	1	0.271724	4.1205	4.90622
FBgn00107	44029	Ref1	-0.00749	0.007487	1	-0.120264	39.9301	36.2154
FBgn00372	40582	spartin	0.007332	0.007332	1	0.13693	16.3714	17.7479
FBgn00375	8674096	CR18228	-0.00733	0.007329	1	-0.11918	54.3238	49.3071
FBgn00319	34067	cdc14	-0.0073	0.007301	1	-0.0654406	36.4002	34.2949
FBgn02610	8673971	Sfp38D	-0.0073	0.0073	1	-0.207798	13.9934	11.941
FBgn00279	40541	MP1	0.00726	0.00726	1	0.102761	44.8734	47.5069
FBgn02508	36414	CG17575	0.007243	0.007243	1	0.115236	55.6713	59.4506
FBgn00041	32314	up	0.0072	0.0072	1	0.0497404	138.923	141.768
FBgn02662	19835257	CR44908	-0.00719	0.007187	1	-0.324062	21.9391	17.2558
FBgn00351	38101	dpr20	-0.00716	0.007165	1	-0.238274	4.83059	4.03522
FBgn00375	41000	CG9684	0.007118	0.007118	1	0.151891	13.6312	14.9316
FBgn00144	46386	CG13397	-0.0071	0.0071	1	-0.175505	8.34581	7.28394
FBgn02642	3772180	Sxl	0.0071	0.0071	1	0.0698749	17.4336	18.0406
FBgn00101	44149	Acon	-0.00706	0.007056	1	-0.0370251	235.267	226.072
FBgn02507	40233	alphaSnap	-0.00702	0.007018	1	-0.067079	88.7124	83.4865
FBgn00388	42527	CG3308	-0.00701	0.007012	1	-0.0578614	120.233	113.876
FBgn00227	32485	Ac13E	0.007005	0.007005	1	0.100037	8.88005	9.38345
FBgn00116	37355	insc	0.007	0.007	1	0.198186	4.24217	4.79879
FBgn00340	36701	CG8160	0.006995	0.006995	1	0.528049	1.81573	2.59092
FBgn00511	318616	CG31174	-0.00699	0.006986	1	-0.137271	55.4203	49.6737
FBgn00288	260658	CG31819	-0.00696	0.006957	1	-0.093642	52.6351	48.6295
FBgn02670	32353	mamo	0.006956	0.006956	1	0.0867228	3.34705	3.50429
FBgn00103	38146	Rac1	0.00693	0.00693	1	0.107824	33.9071	36.0233
FBgn00354	38472	Mul1	-0.00685	0.006846	1	-0.116021	34.1202	31.0373
FBgn02618	44861	sdt	-0.00684	0.006842	1	-0.082894	10.4281	9.70667
FBgn02629	19835656	CR43287	0.006798	0.006798	1	0.967302	0.654726	1.2958
FBgn00049	39433	eIF2beta	-0.00678	0.006779	1	-0.0915716	82.3598	76.2015
FBgn00368	40061	arx	0.006775	0.006775	1	0.366481	4.89421	6.22751
FBgn02647	38050	RhoGEF3	-0.00677	0.006772	1	-0.062149	16.0125	15.1208

FBgn00112	34192	Sema1a	-0.00672	0.006719	1	-0.134389	4.07957	3.66389
FBgn02509	43213	beat-VII	-0.00659	0.006592	1	-0.160021	4.72957	4.17256
FBgn00514	40806	CG31482	-0.00657	0.006565	1	-0.116733	70.0782	63.7149
FBgn00157	42501	Rab11	0.00653	0.00653	1	0.0728445	79.0381	81.9589
FBgn00854	43892	sif	-0.00644	0.006443	1	-0.0597644	9.77282	9.24391
FBgn02671	19835641	asRNA:CR4	-0.00632	0.006315	1	-0.0653248	32.1518	30.2946
FBgn02656	19835393	CG44437	0.006241	0.006241	1	0.186887	16.9689	19.0452
FBgn00389	42668	CG13843	-0.00623	0.006232	1	-0.130942	36.7856	33.1166
FBgn00033	31535	rux	-0.00621	0.006208	1	-0.161467	19.3867	17.0863
FBgn00391	42835	AP-1sigma	0.006172	0.006172	1	0.0959281	38.3336	40.3914
FBgn00235	31146	CG14805	0.006156	0.006156	1	0.174775	12.5489	13.9663
FBgn00286	3354918	RpL15	0.006127	0.006127	1	0.030951	1020.7	1028.13
FBgn00329	35454	Tif-IA	0.006102	0.006102	1	0.0873406	44.4386	46.5462
FBgn00302	32016	sofe	-0.00602	0.006021	1	-0.163265	11.4613	10.0887
FBgn02609	39919	Rbp6	-0.00601	0.006006	1	-0.0731169	9.43743	8.84434
FBgn02616	5740325	SLO2	-0.00595	0.00595	1	-0.139827	3.77254	3.37535
FBgn00367	39969	CG7484	0.005945	0.005945	1	0.149885	45.0746	49.306
FBgn02645	40382	Glg1	0.005939	0.005939	1	0.086587	21.9256	22.9535
FBgn02609	31713	Ubr3	0.005879	0.005879	1	0.0763162	13.5517	14.0863
FBgn00347	37636	YME1L	-0.00588	0.005879	1	-0.0734729	49.3678	46.2539
FBgn02606	39753	Diap1	-0.00587	0.00587	1	-0.0705844	50.3845	47.3012
FBgn02666	38306	Svil	-0.00587	0.005866	1	-0.0427597	19.8255	18.975
FBgn02639	45840	cpo	-0.00586	0.005861	1	-0.0681847	14.7496	13.87
FBgn00399	3355072	CG41099	0.005829	0.005829	1	0.0748432	30.1502	31.3077
FBgn00511	42975	CG31121	0.005735	0.005735	1	0.304618	1.82146	2.21925
FBgn00273	3772213	Tim9b	-0.00571	0.005715	1	-0.186193	12.0643	10.4511
FBgn00310	3772080	CG12788	-0.00571	0.005715	1	-0.186193	12.0643	10.4511
FBgn02612	38175	Psa	0.00571	0.00571	1	0.0464036	91.101	92.752
FBgn00353	38313	CG1146	-0.00571	0.00571	1	-0.0756881	57.5597	53.8463
FBgn00511	42784	CG31145	-0.00564	0.005644	1	-0.0905102	18.7477	17.3586
FBgn00395	43391	CG9990	0.005596	0.005596	1	0.0726716	31.2244	32.3743
FBgn00311	33127	Cyp6t1	0.005542	0.005542	1	0.222567	7.10353	8.17312
FBgn00117	42880	twin	-0.00554	0.005541	1	-0.0487349	74.7004	71.2002
FBgn00321	34325	CG4658	-0.00551	0.005511	1	-0.0875501	36.235	33.6193

FBgn00402	53511	Ugt36Bc	0.005494	0.005494	1	0.117924	25.1312	26.8874
FBgn00291	47762	FKBP59	0.005461	0.005461	1	0.0861619	60.747	63.576
FBgn00371	40416	CG14570	0.005369	0.005369	1	0.0103712	0.606041	0.599723
FBgn02656	19835583	CR44448	0.005369	0.005369	1	0.0103712	0.629443	0.622882
FBgn02659	19835111	CR44765	0.005369	0.005369	1	0.0103712	1.41531	1.40055
FBgn02670	19834839	CR45534	0.005369	0.005369	1	0.0103712	0.602181	0.595903
FBgn00150	31193	Cyp4ae1	0.00534	0.00534	1	0.203477	8.40913	9.5476
FBgn00361	39284	chrb	0.005272	0.005272	1	0.0700203	25.2732	26.1559
FBgn00534	3885588	CG33460	0.00524	0.00524	1	0.346327	5.17332	6.49013
FBgn00265	42849	CG5991	0.005228	0.005228	1	0.08964	41.7099	43.7578
FBgn00361	39252	FoxK	0.005179	0.005179	1	0.11818	12.7141	13.605
FBgn00332	35730	Nop17l	0.005173	0.005173	1	0.07344	33.91	35.1776
FBgn00345	37330	CG11180	0.005111	0.005111	1	0.201209	6.36386	7.21405
FBgn00112	46234	fbl	0.00508	0.00508	1	0.0635279	52.7399	54.3368
FBgn00086	32820	betaCOP	0.005079	0.005079	1	0.104144	19.8457	21.0306
FBgn00350	37898	CG15873	-0.00508	0.005078	1	-0.275031	9.66465	7.86802
FBgn00376	41059	IscU	-0.00506	0.005057	1	-0.0585898	241.35	228.473
FBgn00048	47877	tws	0.005038	0.005038	1	0.0653526	34.3694	35.4548
FBgn00521	317903	CG32191	-0.00501	0.005008	1	-0.222972	6.0694	5.12455
FBgn00389	42647	Pfdn5	0.004951	0.004951	1	0.114252	58.1948	62.1031
FBgn02633	12798000	CR43420	0.004908	0.004908	1	0.522821	2.13897	3.04085
FBgn00004	39340	CycA	0.004871	0.004871	1	0.132419	13.0031	14.0524
FBgn00361	39259	wls	0.004859	0.004859	1	0.154478	10.63	11.6651
FBgn00298	31564	CG11700	0.004849	0.004849	1	0.16615	17.2107	19.0402
FBgn00034	37254	sm	0.004842	0.004842	1	0.0358608	39.9305	40.3582
FBgn02627	39842	mbf1	0.004816	0.004816	1	0.0809562	60.6831	63.2804
FBgn00306	32467	CG9164	-0.00481	0.00481	1	-0.28014	1.99889	1.62148
FBgn00316	33678	Clect27	-0.0048	0.004803	1	-0.126349	27.6888	25.0068
FBgn00374	40792	Dmtn	0.004724	0.004724	1	0.0853431	25.249	26.4099
FBgn00514	261628	CG31469	-0.00471	0.00471	1	-0.269172	16.5116	13.4974
FBgn00304	32263	MFS10	-0.0046	0.004599	1	-0.114335	14.7509	13.4338
FBgn02651	14462442	CG44227	-0.00456	0.004562	1	-0.332133	17.5239	13.7046
FBgn02615	43072	tobi	0.004544	0.004544	1	0.0322327	396.772	400.015
FBgn00417	34519	SCAR	-0.00454	0.004538	1	-0.0999675	23.5883	21.6977

FBgn00360	39147	CG8177	-0.00453	0.004532	1	-0.0700629	23.3389	21.9185
FBgn00364	39650	CG12316	0.004472	0.004472	1	0.156372	6.05374	6.65194
FBgn00346	37472	CG15676	0.004462	0.004462	1	0.19284	14.8496	16.7357
FBgn00400	49952	CG17450	-0.00445	0.004453	1	-0.179516	9.71005	8.45088
FBgn02654	31831	CG44325	0.004418	0.004418	1	0.0887367	32.0721	33.6257
FBgn00337	36424	sug	0.004329	0.004329	1	0.149576	18.5023	20.2349
FBgn00308	32727	p-cup	-0.00432	0.004325	1	-0.197152	9.92139	8.52926
FBgn00230	44233	fray	0.004311	0.004311	1	0.0688412	34.3009	35.4698
FBgn02648	14462361	asRNA:CR4	0.00418	0.00418	1	0.186217	25.4442	28.5443
FBgn00299	31676	CG12689	-0.00416	0.004163	1	-0.100048	94.7377	87.1392
FBgn00291	32274	REG	0.00416	0.00416	1	0.0776287	63.7576	66.3333
FBgn00399	43831	CG11077	0.004151	0.004151	1	0.184862	26.9971	30.2579
FBgn00331	35629	Tsp42Er	-0.00415	0.00415	1	-0.121291	57.9741	52.543
FBgn00261	33319	Cdlc2	-0.00414	0.004144	1	-0.090552	121.503	112.497
FBgn00535	3346201	Unc-89	0.004127	0.004127	1	0.0701969	10.9079	11.2903
FBgn00298	31527	CG6041	0.004119	0.004119	1	0.181892	17.3008	19.3504
FBgn00284	44483	GluRIID	0.004102	0.004102	1	0.257893	2.97025	3.50269
FBgn00377	41192	CG8417	-0.0041	0.004099	1	-0.0918434	61.5295	56.9179
FBgn00340	36790	Ptp52F	0.004057	0.004057	1	0.131032	8.34985	9.01496
FBgn00273	39594	RecQ5	0.003967	0.003967	1	0.106223	15.9447	16.921
FBgn00258	41427	Sbf	0.003964	0.003964	1	0.0923333	11.8287	12.4326
FBgn00374	40810	CG15177	-0.00394	0.003942	1	-0.0899947	88.9921	82.4279
FBgn00001	35051	BicD	-0.00384	0.003837	1	-0.082725	19.4616	18.1173
FBgn00157	32400	NetB	-0.00383	0.003828	1	-0.158705	3.48604	3.07828
FBgn00316	33749	Cyp28d1	0.003821	0.003821	1	0.0770435	72.6548	75.5593
FBgn00354	38384	CG14964	0.003821	0.003821	1	0.124583	8.36004	8.98566
FBgn00344	37195	CG15109	-0.00378	0.003784	1	-0.0517855	186.174	177.075
FBgn02664	41114	CG45050	0.003739	0.003739	1	0.0308886	105.243	106.004
FBgn00302	32013	CG17333	-0.00373	0.003729	1	-0.199893	21.2407	18.2254
FBgn00356	38725	CG10226	0.003688	0.003688	1	0.10924	11.8489	12.6008
FBgn02675	26067176	28SrRNA-P:	0.003672	0.003672	1	0.256023	11.2784	13.2828
FBgn02617	32457	gce	-0.00366	0.003664	1	-0.106196	10.9905	10.0659
FBgn00324	34631	CG6712	0.003462	0.003462	1	0.255105	6.97246	8.20636
FBgn00159	36809	csul	-0.00345	0.003455	1	-0.17804	11.2028	9.76003

FBgn00360	39141	defl	0.003443	0.003443	1	0.225516	3.74833	4.3216
FBgn00039	33629	RpL40	0.003408	0.003408	1	0.035409	947.196	957.041
FBgn00467	249170	CG32236	-0.00337	0.003374	1	-0.0856755	67.2642	62.4898
FBgn00522	38382	CG32278	-0.00336	0.003357	1	-0.133048	47.6496	42.8341
FBgn00358	38945	GAPcenA	0.003343	0.003343	1	0.093352	15.104	15.8864
FBgn00529	50434	CG32983	-0.00332	0.003323	1	-0.343641	7.62056	5.9114
FBgn00203	39431	Gcn5	0.003296	0.003296	1	0.12729	14.5257	15.6421
FBgn00035	34132	Btk29A	0.003246	0.003246	1	0.121473	4.91593	5.27242
FBgn00275	37304	tapas	0.003215	0.003215	1	0.0676131	33.4815	34.5931
FBgn00333	35893	PAN2	0.00321	0.00321	1	0.0873892	21.8622	22.8999
FBgn00539	3885646	CG33978	0.003179	0.003179	1	0.103052	4.42561	4.68628
FBgn00395	43370	CG12516	-0.00318	0.003178	1	-0.125565	46.2588	41.8007
FBgn02634	2768685	mld	0.003113	0.003113	1	0.115464	6.67901	7.13357
FBgn02603	8674108	CG42514	0.003096	0.003096	1	0.142888	12.5507	13.6624
FBgn02648	14462713	CR44081	-0.00301	0.00301	1	-0.406738	9.62309	7.13843
FBgn00348	37685	CG12782	-0.00296	0.002963	1	-0.206543	13.7322	11.7282
FBgn00389	42626	CG7059	-0.00294	0.002943	1	-0.0747576	77.527	72.572
FBgn00255	43912	SF1	0.002898	0.002898	1	0.1048	19.3002	20.4618
FBgn00289	45815	Spn27A	0.002875	0.002875	1	0.123659	18.5986	19.9776
FBgn00102	37480	HmgZ	0.002863	0.002863	1	0.0833051	60.5539	63.2486
FBgn00526	326229	CG32669	-0.00285	0.002853	1	-0.163006	11.1809	9.84357
FBgn00382	41798	Rrp6	-0.00284	0.002844	1	-0.0654666	52.2158	49.1947
FBgn00310	32992	Pmp70	-0.00284	0.002844	1	-0.063229	49.5792	46.7832
FBgn02672	45234	Ggamma30	0.002843	0.002843	1	0.032859	56.6196	57.1071
FBgn00295	8673968	CR18166	0.002789	0.002789	1	0.2374	5.7974	6.73964
FBgn00525	32990	parvin	0.002635	0.002635	1	0.130553	20.5225	22.1498
FBgn00345	37390	Cht8	0.002625	0.002625	1	0.123921	29.074	31.2354
FBgn02617	31773	Trf2	0.002571	0.002571	1	0.0692264	13.7607	14.2334
FBgn00362	39366	Pop2	-0.00252	0.002517	1	-0.083293	38.9165	36.214
FBgn00109	46201	l(3)07882	-0.00244	0.002436	1	-0.114539	12.4115	11.3016
FBgn00103	31718	Tbh	-0.00243	0.00243	1	-0.219018	3.83886	3.25018
FBgn00356	38719	CG7386	-0.00239	0.002394	1	-0.229095	6.05137	5.08744
FBgn00103	34250	Cks30A	0.002287	0.002287	1	0.306958	5.43041	6.62728
FBgn00273	43071	rha	-0.00227	0.002273	1	-0.0604963	45.4645	42.982

FBgn00386	42310	unc79	-0.00227	0.002273	1	-0.0883929	8.83724	8.19449
FBgn00518	318988	CG31861	0.00227	0.00227	1	0.137013	44.4396	48.179
FBgn02617	10178878	asRNA:CR4	0.002269	0.002269	1	0.387119	3.3947	4.38285
FBgn00524	38605	shep	0.002261	0.002261	1	0.0421679	34.815	35.3421
FBgn00118	38890	nmo	-0.00223	0.002231	1	-0.0824283	14.9063	13.8794
FBgn00152	37798	Nap1	-0.0022	0.002201	1	-0.056613	140.914	133.579
FBgn00199	42587	Mitofilin	-0.00218	0.002182	1	-0.0668422	52.8047	49.7021
FBgn00266	40589	tacc	-0.00217	0.002174	1	-0.0462979	54.0862	51.639
FBgn00274	34503	Dnz1	-0.00216	0.002159	1	-0.163506	13.4824	11.8656
FBgn00248	252479	DIP2	0.002119	0.002119	1	0.0742048	20.4565	21.2324
FBgn00387	42423	Dic2	-0.00212	0.002118	1	-0.066899	98.7056	92.9023
FBgn00336	3771946	CG13175	0.00209	0.00209	1	0.187075	7.8775	8.84258
FBgn00539	3772719	CG33964	0.00209	0.00209	1	0.187075	7.8775	8.84258
FBgn02653	19835544	asRNA:CR4	0.002068	0.002068	1	0.718438	0.629863	1.03234
FBgn00334	36031	Etf-QO	0.00206	0.00206	1	0.0923118	33.4404	35.1474
FBgn00371	40434	P5CDh1	-0.00199	0.001988	1	-0.0643993	56.1461	52.9368
FBgn02639	33921	Ent2	0.001987	0.001987	1	0.126687	16.684	17.9587
FBgn00299	31707	mahe	0.001952	0.001952	1	0.0718676	15.4341	15.9936
FBgn00393	43102	CG5028	-0.00194	0.001939	1	-0.0538442	103.011	97.8365
FBgn00025	34910	lace	0.00188	0.00188	1	0.0962547	23.4836	24.7499
FBgn00032	42261	Rh2	0.001874	0.001874	1	0.129123	27.9696	30.1575
FBgn00386	42298	CG11779	-0.00185	0.001849	1	-0.0780554	38.833	36.2679
FBgn02629	26067104	CR43278	-0.00181	0.00181	1	-0.112221	51.6557	47.1124
FBgn00511	318605	CG31141	-0.00174	0.00174	1	-0.100479	71.4985	65.7441
FBgn00325	34739	CG16825	-0.0017	0.001703	1	-0.141768	11.4633	10.2425
FBgn00019	34950	Ca-alpha1D	-0.00167	0.001668	1	-0.0673091	14.6687	13.8023
FBgn02591	7354431	CG42266	-0.00161	0.001613	1	-0.107594	30.6743	28.0664
FBgn00355	38521	VhaM9.7-a	-0.00159	0.001589	1	-0.217722	20.992	17.789
FBgn00399	5740457	CG17162	0.001584	0.001584	1	0.0804804	20.6448	21.5213
FBgn00203	41279	pug	-0.00151	0.001506	1	-0.0930081	22.9259	21.1904
FBgn00350	37980	Ance-5	-0.00147	0.001473	1	-0.137824	17.2411	15.4473
FBgn02620	34161	CG42820	0.001397	0.001397	1	0.0624899	71.3706	73.4787
FBgn00376	41047	CG8236	-0.00139	0.001389	1	-0.130716	25.9018	23.3218
FBgn00229	36966	qkr54B	0.001368	0.001368	1	0.116666	10.5404	11.2671

FBgn00399	5740147	CG17159	0.001361	0.001361	1	0.0807335	21.7546	22.6822
FBgn00166	37922	Nurf-38	0.001338	0.001338	1	0.0694033	92.0565	95.2309
FBgn02631	36978	Patronin	0.001335	0.001335	1	0.07895	13.4194	13.9744
FBgn00158	33710	eIF3i	0.001314	0.001314	1	0.0670826	124.173	128.248
FBgn00515	318785	CG31528	-0.00126	0.001256	1	-0.172958	18.9529	16.5705
FBgn00381	41600	CG11656	-0.00123	0.001226	1	-0.134093	34.4772	30.9702
FBgn00394	43185	CG6036	-0.00122	0.001224	1	-0.102441	55.2609	50.7441
FBgn00276	41640	Dic1	0.001107	0.001107	1	0.0843952	48.1991	50.382
FBgn00333	35877	Sec31	0.001085	0.001085	1	0.101171	15.0295	15.894
FBgn00510	318590	CG31088	0.001083	0.001083	1	0.207872	20.1758	22.9775
FBgn00852	5740143	CG34207	0.001023	0.001023	1	0.125657	75.7544	81.4843
FBgn02675	26067231	CR45903	-0.00102	0.001019	1	-0.492129	10.1034	7.0506
FBgn00155	36203	dare	-0.00101	0.00101	1	-0.165759	15.0033	13.1834
FBgn00526	32001	Atg8a	0.001005	0.001005	1	0.034284	340.7	343.973
FBgn00049	43231	Rb97D	0.00096	0.00096	1	0.0898014	24.1763	25.3662
FBgn00334	36024	CG12744	0.000949	0.000949	1	0.383283	4.23544	5.45361
FBgn02592	40620	cno	0.000908	0.000908	1	0.079125	7.78248	8.10528
FBgn00045	33500	Rrp1	0.000908	0.000908	1	0.155937	9.98465	10.968
FBgn02642	35688	Cyt-b5	0.000893	0.000893	1	0.0475971	318.244	324.28
FBgn00403	31059	eIF4E7	-0.00085	0.000846	1	-0.0911021	50.0451	46.3179
FBgn00392	43017	Mocs2	0.000802	0.000802	1	0.156412	17.8001	19.5596
FBgn02602	8674021	CG42503	0.000802	0.000802	1	0.156412	17.8001	19.5596
FBgn00298	31606	CG4095	-0.00077	0.000774	1	-0.138346	21.7624	19.491
FBgn00321	2768929	CG33298	-0.00076	0.000759	1	-0.0974907	11.0658	10.1964
FBgn00389	42616	PSR	-0.00075	0.000752	1	-0.349171	3.76001	2.90526
FBgn00033	39592	shd	-0.00075	0.000751	1	-0.330241	2.20351	1.7255
FBgn00391	42825	Ndc1	0.00072	0.00072	1	0.14964	13.9876	15.2982
FBgn00326	35027	CG12288	0.000668	0.000668	1	0.400956	2.22524	2.90119
FBgn00114	46260	ND-SGDH	-0.00063	0.00063	1	-0.0790396	121.81	113.687
FBgn00029	32543	Myb	0.000613	0.000613	1	0.0732459	40.8362	42.357
FBgn00395	43344	CG5003	0.0006	0.0006	1	0.170238	8.49491	9.4247
FBgn02629	12797984	asRNA:CR4	0.000524	0.000524	1	0.240932	3.52963	4.11343
FBgn00390	42774	CG10170	-0.00052	0.00052	1	-0.14061	19.6096	17.5353
FBgn00512	318651	CG31267	-0.00043	0.000429	1	-0.200006	18.8698	16.1896

FBgn00641	3771728	CG33713	-0.00035	0.000354	1	-0.0994756	50.4097	46.3848
FBgn00641	3772560	SLIRP1	-0.00035	0.000354	1	-0.0994756	50.4097	46.3848
FBgn00042	48535	Hrb87F	0.00034	0.00034	1	0.068126	49.8483	51.5215
FBgn00383	41902	CG4520	-0.00033	0.00033	1	-0.102396	42.9249	39.4176
FBgn02648	44118	vih	-0.00028	0.000281	1	-0.0747885	81.7103	76.4862
FBgn02647	40647	CG1172	-0.00025	0.00025	1	-0.126564	9.76018	8.8134
FBgn00167	36992	Rab4	0.000232	0.000232	1	0.0838752	68.2487	71.314
FBgn02615	39111	CG42673	0.000206	0.000206	1	0.114629	6.90111	7.36651
FBgn00256	31016	SkpA	0.000114	0.000114	1	0.0675248	77.8771	80.4577
FBgn00357	38743	eIF4E4	-8.28E-05	8.28E-05	1	-0.0706654	129.108	121.2
FBgn00032	42493	r-l	5.56E-05	5.56E-05	1	0.131633	17.4967	18.8983
FBgn00362	39385	RhoGAP68I	2.98E-05	2.98E-05	1	0.0834724	37.9563	39.65
FBgn00347	37544	Oatp58Db	-1.69E-05	1.69E-05	1	-0.113032	25.1989	22.9695
FBgn00394	43200	TwdlM	0	0	1	3.09283	0	0.198695
FBgn02672	19834891	CR45658	0	0	1	3.09283	0	0.238526
FBgn00406	50110	CG11458	0	0	1	2.90019	0	0.326665
FBgn02676	26067305	CR45978	0	0	1	2.90019	0	0.213926
FBgn00398	43702	ppk24	0	0	1	2.6778	0	0.081758
FBgn02657	19834863	CR44541	0	0	1	2.6778	0	0.32924
FBgn02657	19835989	CR44550	0	0	1	2.6778	0	0.174234
FBgn02668	19836256	CR45337	0	0	1	2.6778	0	0.473083
FBgn02672	19835695	CR45698	0	0	1	2.41476	0	0.22107
FBgn02678	26067478	CR46164	0	0	1	2.41476	0	0.152671
FBgn00299	31705	hdm	0	0	1	2.09283	0	0.060034
FBgn00305	32359	CG12480	0	0	1	2.09283	0	0.044887
FBgn00385	42123	CG14325	0	0	1	2.09283	0	0.06342
FBgn00397	43615	Osi23	0	0	1	2.09283	0	0.102825
FBgn00417	3772523	snRNA:U6a	0	0	1	2.09283	0	0.904222
FBgn00829	5740800	snoRNA:M	0	0	1	2.09283	0.351982	2.59058
FBgn02636	14462521	CR43643	0	0	1	2.09283	0	0.068363
FBgn02646	19835707	CR43950	0	0	1	2.09283	0	0.076071
FBgn02668	19835261	CR45338	0	0	1	2.09283	0	0.237053
FBgn02676	26067319	CR45998	0	0	1	2.09283	0	0.033839
FBgn02679	26067508	CR46197	0	0	1	2.09283	0	0.088506

FBgn02657	19835068	CR44545	0	0	1	1.9673	0.102418	0.538426
FBgn02669	19835934	CR45365	0	0	1	1.9673	0.0847762	0.445678
FBgn00030	43745	CG2150	0	0	1	1.90019	0.0237663	0.149931
FBgn00303	32139	CG15740	0	0	1	1.90019	0.00851657	0.053727
FBgn00448	117463	Ste12DOR	0	0	1	1.90019	0.14817	0.675088
FBgn02678	26067469	CR46155	0	0	1	1.90019	0.304452	1.38713
FBgn00540	12798269	CR34024	0	0	1	1.8298	0.10395	0.491829
FBgn00320	34204	LManIV	0	0	1	1.79327	0.0282492	0.118807
FBgn00857	5740677	CR40573	0	0	1	1.79327	0.0751529	0.31607
FBgn02671	19836056	CR45543	0	0	1	1.79327	0.216113	0.908907
FBgn00118	3772468	Lcp1Psi	0	0	1	1.6778	0	0.12823
FBgn00206	38708	Lcp65Ac	0	0	1	1.6778	0	0.115788
FBgn00288	34887	CG15269	0	0	1	1.6778	0	0.027556
FBgn00300	31853	CG12115	0	0	1	1.6778	0	0.067288
FBgn00358	38921	CG13674	0	0	1	1.6778	0	0.085114
FBgn00360	39194	Ir67b	0	0	1	1.6778	0	0.025478
FBgn00374	40752	Osi1	0	0	1	1.6778	0	0.050364
FBgn00502	3772067	tRNA:Leu-A	0	0	1	1.6778	0	0.713086
FBgn00523	38848	CG32374	0	0	1	1.6778	0	0.06497
FBgn00532	2768905	Ste:CG3324	0	0	1	1.6778	0.0458099	0.240828
FBgn00534	2768847	CG33459	0	0	1	1.6778	0	0.063975
FBgn00829	5740363	snoRNA:Psi	0	0	1	1.6778	0	0.414702
FBgn00852	5740465	CG34266	0	0	1	1.6778	0	0.145455
FBgn00860	5740724	snoRNA:Mo	0	0	1	1.6778	0	0.77964
FBgn00866	3772227	snoRNA:Psi	0	0	1	1.6778	0	0.406063
FBgn02591	7354416	Ir7d	0	0	1	1.6778	0	0.032758
FBgn02599	19835155	CR40341	0	0	1	1.6778	0	0.07755
FBgn02630	36326	CG43316	0	0	1	1.6778	0	0.101516
FBgn02633	12798467	CR43428	0	0	1	1.6778	0.0167007	0.087797
FBgn02635	12798296	CR43613	0	0	1	1.6778	0	0.090797
FBgn02652	19835022	CG44270	0	0	1	1.6778	0.156217	0.574875
FBgn02656	19835894	CR44482	0	0	1	1.6778	0.0743492	0.390862
FBgn02658	19835525	CG44624	0	0	1	1.6778	0	0.16659
FBgn02660	19834736	CR44808	0	0	1	1.6778	0.175436	0.73783

FBgn02666	19835308	CR45159	0	0	1	1.6778	0.0543097	0.285513
FBgn02666	19835056	CR45179	0	0	1	1.6778	0.0255341	0.134236
FBgn02670	19835815	CR45508	0	0	1	1.6778	0	0.117652
FBgn02671	19835972	CR45632	0	0	1	1.6778	0.0703964	0.370082
FBgn02672	19834992	CR45656	0	0	1	1.6778	0	0.146183
FBgn02676	26067317	CR45996	0	0	1	1.6778	0	0.080876
FBgn02678	26067494	CR46180	0	0	1	1.6778	0.0365876	0.192345
FBgn02679	26067511	CR46200	0	0	1	1.6778	0	0.132592
FBgn00355	38510	Cpr64Ac	0	0	1	1.55226	0.0937301	0.3285
FBgn02658	19836077	CR44675	0	0	1	1.55226	0.170593	0.597884
FBgn02677	26067436	CR46119	0	0	1	1.55226	0.278996	0.97781
FBgn02661	19835880	CR44870	0	0	1	1.53341	0.226993	0.715996
FBgn02676	26067304	CR45977	0	0	1	1.53341	0.416059	1.31236
FBgn00380	41486	Cyp313a5	0	0	1	1.50787	0.0356266	0.131105
FBgn00397	43646	CG11313	0	0	1	1.50787	0.04551	0.167476
FBgn00839	4379906	snRNA:U11	0	0	1	1.50787	0.20223	0.744202
FBgn02650	14462808	CR44188	0	0	1	1.50787	0.0506034	0.18622
FBgn02663	19836079	CR44988	0	0	1	1.50787	0.101299	0.372779
FBgn02668	19835535	CR45315	0	0	1	1.50787	0.274769	0.866695
FBgn02669	19835147	CR45402	0	0	1	1.50787	0.336641	1.06186
FBgn02668	19834728	CR45310	0	0	1	1.48515	0.108077	0.32467
FBgn00360	39191	Or67d	0	0	1	1.47134	0.0945802	0.298332
FBgn02678	26067468	CR46154	0	0	1	1.47134	0.405936	1.28043
FBgn00857	5740218	CR40582	0	0	1	1.4554	0.202475	0.60318
FBgn00041	42536	tin	0	0	1	1.41476	0.0501321	0.15813
FBgn00263	34603	Or33c	0	0	1	1.41476	0.024075	0.101252
FBgn00288	2768924	CG18420	0	0	1	1.41476	0.0449218	0.141696
FBgn00305	32365	CG11585	0	0	1	1.41476	0.0238683	0.100383
FBgn00355	38508	Cpr64Aa	0	0	1	1.41476	0.0274227	0.115331
FBgn00455	117492	Gr22b	0	0	1	1.41476	0.0239505	0.100729
FBgn00528	12798185	CR32821	0	0	1	1.41476	0.0785497	0.330356
FBgn00531	35275	Victoria	0	0	1	1.41476	0.372885	1.06416
FBgn00534	2768846	CG33458	0	0	1	1.41476	0.0310341	0.13052
FBgn00537	3772353	snmRNA:43	0	0	1	1.41476	0.772405	3.2485

FBgn00852	5740242	CG34185	0	0	1	1.41476	0.0617924	0.25988
FBgn00857	5740443	CR40571	0	0	1	1.41476	0.0862666	0.272108
FBgn02630	12798413	CG43335	0	0	1	1.41476	0.0328683	0.138234
FBgn02668	19835700	CR45313	0	0	1	1.41476	0.0735624	0.309381
FBgn02656	19835651	CR44478	0	0	1	1.37294	0.415024	1.16364
FBgn00335	36181	CG13216	0	0	1	1.35587	0.125255	0.362164
FBgn02625	12798272	CG43117	0	0	1	1.35587	0.348672	1.00816
FBgn02647	14462823	CR43969	0	0	1	1.35587	0.157544	0.455526
FBgn02668	19834846	CG45307	0	0	1	1.35587	0.272614	0.788239
FBgn02668	19835817	CR45346	0	0	1	1.35587	0.387999	1.04254
FBgn00398	43666	CG15550	0	0	1	1.31523	0.108197	0.341282
FBgn00412	33251	Gr21a	0	0	1	1.31523	0.025051	0.079018
FBgn02666	19835983	CR45156	0	0	1	1.31523	0.0376528	0.118767
FBgn00516	3772420	His-Psi:CR3	0	0	1	1.28548	0.20223	0.531573
FBgn00301	31925	CG1986	0	0	1	1.26276	0.0384955	0.107934
FBgn02637	26067106	CR43695	0	0	1	1.26276	0.119342	0.33461
FBgn02649	14462389	CR44111	0	0	1	1.26276	0.118158	0.331292
FBgn02666	19834969	CR45138	0	0	1	1.26276	0.113342	0.317788
FBgn02676	26067303	CR45976	0	0	1	1.26276	0.530108	1.31742
FBgn00650	3772130	snoRNA:U3	0	0	1	1.23034	0.642927	1.68997
FBgn02668	19834800	CR45359	0	0	1	1.23034	0.121426	0.319176
FBgn02676	26067325	CR46004	0	0	1	1.23034	0.0140066	0.036817
FBgn02634	12798038	CR43486	0	0	1	1.21836	0.410732	0.993264
FBgn00364	39565	CG8100	0	0	1	1.19237	0.0616099	0.151149
FBgn00394	43195	CG14238	0	0	1	1.19237	0.0873505	0.214299
FBgn02656	19835138	CG44439	0	0	1	1.19237	0.333679	0.818622
FBgn00005	40818	Edg84A	0	0	1	1.09283	0	0.044841
FBgn00025	35820	Lcp4	0	0	1	1.09283	0	0.036915
FBgn00026	43160	E(spl)m7-H	0	0	1	1.09283	0.0566326	0.148862
FBgn00033	39288	Sgs3	0	0	1	1.09283	0	0.026363
FBgn00039	3772609	snRNA:U3	0	0	1	1.09283	0	0.138562
FBgn00040	40827	zen2	0	0	1	1.09283	0	0.029178
FBgn00102	31299	ng3	0	0	1	1.09283	0	0.04922
FBgn00112	31249	HLH3B	0	0	1	1.09283	0.0194724	0.061421

FBgn00118	3771775	tRNA:Lys-C	0	0	1	1.09283	0	0.4005
FBgn00120	3772335	tRNA:Tyr-G	0	0	1	1.09283	0	0.4005
FBgn00140	34558	Vm32E	0	0	1	1.09283	0	0.05859
FBgn00207	38710	Acp65Aa	0	0	1	1.09283	0.22607	0.522929
FBgn00263	34602	Or33b	0	0	1	1.09283	0	0.025646
FBgn00263	34601	Or33a	0	0	1	1.09283	0	0.025714
FBgn00289	34917	CG11865	0	0	1	1.09283	0	0.034436
FBgn00296	31203	CG14052	0	0	1	1.09283	0.155692	0.360136
FBgn00297	31465	CG4151	0	0	1	1.09283	0	0.022369
FBgn00299	31690	Ir7b	0	0	1	1.09283	0	0.014856
FBgn00299	31694	Ir7g	0	0	1	1.09283	0	0.017341
FBgn00303	32194	CG15731	0	0	1	1.09283	0	0.024777
FBgn00304	32309	Cpr12A	0	0	1	1.09283	0	0.034075
FBgn00305	32393	CG12540	0	0	1	1.09283	0	0.037871
FBgn00308	32707	CG12995	0	0	1	1.09283	0.0441374	0.139221
FBgn00308	32759	CG12986	0	0	1	1.09283	0	0.055059
FBgn00309	19834898	CR15061	0	0	1	1.09283	0	0.042995
FBgn00310	33012	CG15322	0	0	1	1.09283	0.0265668	0.065177
FBgn00323	34493	CG6508	0	0	1	1.09283	0	0.021201
FBgn00324	34724	CG16813	0	0	1	1.09283	0	0.032413
FBgn00335	36162	Obp47a	0	0	1	1.09283	0	0.058708
FBgn00337	36325	CG13170	0	0	1	1.09283	0.0670038	0.211348
FBgn00337	36344	CG13159	0	0	1	1.09283	0	0.074393
FBgn00338	36525	Cpr50Cb	0	0	1	1.09283	0	0.033722
FBgn00346	37440	CG9822	0	0	1	1.09283	0	0.03311
FBgn00355	38576	CG13711	0	0	1	1.09283	0	0.035395
FBgn00357	38774	Cpr65Eb	0	0	1	1.09283	0	0.02912
FBgn00363	39509	CG10154	0	0	1	1.09283	0.0238683	0.075287
FBgn00363	39546	CG9040	0	0	1	1.09283	0.0371249	0.117102
FBgn00365	39787	CG13050	0	0	1	1.09283	0.0400671	0.126383
FBgn00367	39938	CG13731	0	0	1	1.09283	0	0.009811
FBgn00368	40101	CG14089	0	0	1	1.09283	0	0.042932
FBgn00371	40423	CG14565	0	0	1	1.09283	0	0.028607
FBgn00374	40768	CG15594	0	0	1	1.09283	0	0.020108

FBgn00374	40771	Osi15	0	0	1	1.09283	0	0.023731
FBgn00376	41110	CG12951	0	0	1	1.09283	0.0324464	0.102345
FBgn00379	41415	CG14720	0	0	1	1.09283	0	0.044704
FBgn00380	41484	CG3916	0	0	1	1.09283	0.0583559	0.153392
FBgn00381	41658	CG12538	0	0	1	1.09283	0	0.049977
FBgn00389	42613	CG5386	0	0	1	1.09283	0	0.034155
FBgn00394	43194	CG14237	0	0	1	1.09283	0	0.079881
FBgn00394	43245	TwdlC	0	0	1	1.09283	0	0.020943
FBgn00402	39621	Ocho	0	0	1	1.09283	0	0.024507
FBgn00403	31065	CG11380	0	0	1	1.09283	0.00992738	0.031314
FBgn00403	31226	CG12496	0	0	1	1.09283	0.0361829	0.095109
FBgn00409	50423	CG13998	0	0	1	1.09283	0.0840078	0.264983
FBgn00416	2768964	Or69a	0	0	1	1.09283	0	0.013554
FBgn00417	3772091	snRNA:U12	0	0	1	1.09283	0	0.122842
FBgn00421	59225	CG17234	0	0	1	1.09283	0	0.036184
FBgn00435	39869	PGRP-SB2	0	0	1	1.09283	0.12125	0.297464
FBgn00448	117461	TotF	0	0	1	1.09283	0.0549537	0.173339
FBgn00454	117484	Gr59b	0	0	1	1.09283	0	0.026555
FBgn00510	318586	TwdlR	0	0	1	1.09283	0	0.027608
FBgn00512	3772596	tRNA:Pro-T	0	0	1	1.09283	0	0.406063
FBgn00512	3772251	tRNA:Thr-A	0	0	1	1.09283	0	0.395088
FBgn00516	318846	His4:CG316	0	0	1	1.09283	0	0.070791
FBgn00516	3772558	tRNA:Gln-C	0	0	1	1.09283	0	0.406063
FBgn00519	326175	CG31928	0	0	1	1.09283	0	0.018682
FBgn00520	39105	CG32036	0	0	1	1.09283	0.0784389	0.206181
FBgn00521	317902	CG32189	0	0	1	1.09283	0.258666	0.611927
FBgn00522	3772479	tRNA:Pro-C	0	0	1	1.09283	0	0.406063
FBgn00531	326263	CG33128	0	0	1	1.09283	0	0.021079
FBgn00532	2768899	Ste:CG3324	0	0	1	1.09283	0.183239	0.43349
FBgn00532	2768898	Ste:CG3324	0	0	1	1.09283	0.138112	0.338834
FBgn00532	2768982	CG33270	0	0	1	1.09283	0	0.075352
FBgn00534	2768834	CG33467	0	0	1	1.09283	0	0.051564
FBgn00535	2768957	CG33500	0	0	1	1.09283	0.312434	0.7665
FBgn00535	3772274	tRNA:Asn-C	0	0	1	1.09283	0	0.395088

FBgn00536	3771784	CG33631	0	0	1	1.09283	0	0.049722
FBgn00537	3771932	CG33702	0	0	1	1.09283	0	0.054142
FBgn00538	3771879	His1:CG338	0	0	1	1.09283	0.0543628	0.142896
FBgn00538	3771736	His1:CG338	0	0	1	1.09283	0.0815442	0.200054
FBgn00538	3771941	His4:CG338	0	0	1	1.09283	0	0.055372
FBgn00538	3772509	His4:CG338	0	0	1	1.09283	0	0.070791
FBgn00538	3772519	His4:CG338	0	0	1	1.09283	0	0.070791
FBgn00539	3771935	His4:CG339	0	0	1	1.09283	0	0.070791
FBgn00539	3772254	His4:CG339	0	0	1	1.09283	0	0.070791
FBgn00539	3771908	His4:CG339	0	0	1	1.09283	0	0.070791
FBgn00539	3885638	CG33986	0	0	1	1.09283	0	0.033567
FBgn00829	5740779	snoRNA:Me	0	0	1	1.09283	0.670038	1.76124
FBgn00829	5740517	snoRNA:Me	0	0	1	1.09283	0.335019	1.05674
FBgn00829	5740739	snoRNA:Me	0	0	1	1.09283	0	0.365456
FBgn00829	5740438	snoRNA:Psi	0	0	1	1.09283	0	0.221489
FBgn00830	5740169	snoRNA:Psi	0	0	1	1.09283	0	0.216567
FBgn00852	5740129	CG34206	0	0	1	1.09283	0.0324464	0.102345
FBgn00852	5740254	CG34217	0	0	1	1.09283	0.0376783	0.118848
FBgn00860	5740725	snoRNA:Me	0	0	1	1.09283	0	0.370082
FBgn00860	5740578	snoRNA:Or	0	0	1	1.09283	0	0.436366
FBgn02591	7354402	Ir60d	0	0	1	1.09283	0	0.016949
FBgn02598	7354445	Su(Ste):CR4	0	0	1	1.09283	0	0.020633
FBgn02598	7354451	Su(Ste):CR4	0	0	1	1.09283	0	0.029325
FBgn02598	7354453	Su(Ste):CR4	0	0	1	1.09283	0.019693	0.062117
FBgn02598	7354455	Su(Ste):CR4	0	0	1	1.09283	0.0339105	0.106963
FBgn02615	10178949	CG42681	0	0	1	1.09283	0	0.08499
FBgn02616	10178784	CG42716	0	0	1	1.09283	0	0.089959
FBgn02619	10178812	CG42815	0	0	1	1.09283	0	0.071658
FBgn02620	10178910	CG42834	0	0	1	1.09283	0.051878	0.163637
FBgn02625	12798405	CG43112	0	0	1	1.09283	0	0.08599
FBgn02625	12798270	CG43116	0	0	1	1.09283	0	0.032594
FBgn02626	12798230	CG43131	0	0	1	1.09283	0	0.064826
FBgn02628	12798532	CR43240	0	0	1	1.09283	0	0.286632
FBgn02630	12798064	CR43360	0	0	1	1.09283	0	0.053351

FBgn02632	12798187	CR43378	0	0	1	1.09283	0.124693	0.393316
FBgn02632	12798192	CR43383	0	0	1	1.09283	0.124137	0.39156
FBgn02634	12798399	snoRNA:lol	0	0	1	1.09283	0	0.170974
FBgn02635	12798153	CR43492	0	0	1	1.09283	0.0298354	0.094109
FBgn02637	14462625	CG43659	0	0	1	1.09283	0	0.087013
FBgn02637	14462615	CG43667	0	0	1	1.09283	0	0.032234
FBgn02643	14462805	CR43828	0	0	1	1.09283	0	0.014043
FBgn02644	14462825	CR43883	0	0	1	1.09283	0.0368788	0.116326
FBgn02646	14462396	CR43960	0	0	1	1.09283	0.0697344	0.164971
FBgn02649	14462474	CG44094	0	0	1	1.09283	0	0.104045
FBgn02649	14462436	CR44103	0	0	1	1.09283	0.111673	0.352247
FBgn02649	14462809	CR44146	0	0	1	1.09283	0.0729832	0.230209
FBgn02650	14462755	CR44183	0	0	1	1.09283	0	0.037008
FBgn02652	19835828	CR44263	0	0	1	1.09283	0.0859554	0.225939
FBgn02653	19835709	CR44282	0	0	1	1.09283	0	0.024527
FBgn02653	19834894	CR44288	0	0	1	1.09283	0	0.031539
FBgn02656	19836188	CG44426	0	0	1	1.09283	0.0953914	0.250742
FBgn02657	19835534	CR44531	0	0	1	1.09283	0	0.049807
FBgn02657	19835471	CR44542	0	0	1	1.09283	0	0.089136
FBgn02657	19836141	CR44568	0	0	1	1.09283	0	0.052208
FBgn02657	19834933	CR44585	0	0	1	1.09283	0.0751529	0.237053
FBgn02657	19835784	CR44588	0	0	1	1.09283	0	0.078593
FBgn02658	19835225	CR44633	0	0	1	1.09283	0	0.058356
FBgn02658	19835706	CR44636	0	0	1	1.09283	0.236988	0.581408
FBgn02658	19835211	CR44649	0	0	1	1.09283	0.276682	0.727276
FBgn02658	19835738	CR44666	0	0	1	1.09283	0.0693431	0.218727
FBgn02659	19835708	CR44705	0	0	1	1.09283	0	0.121313
FBgn02659	19835065	CR44712	0	0	1	1.09283	0	0.070791
FBgn02659	19835345	CR44733	0	0	1	1.09283	0	0.100469
FBgn02659	19835744	CR44760	0	0	1	1.09283	0	0.097131
FBgn02659	19835760	CR44770	0	0	1	1.09283	0	0.067521
FBgn02660	19836148	CR44790	0	0	1	1.09283	0.0329853	0.104045
FBgn02660	19834880	CR44801	0	0	1	1.09283	0.0483257	0.111784
FBgn02661	19835570	CR44862	0	0	1	1.09283	0	0.040948

FBgn02663	19834729	CR45005	0	0	1	1.09283	0	0.08599
FBgn02668	19835517	CR45276	0	0	1	1.09283	0	0.026458
FBgn02668	19835675	CR45278	0	0	1	1.09283	0.10593	0.250599
FBgn02668	19836150	CR45291	0	0	1	1.09283	0.166506	0.437672
FBgn02668	19835173	CR45292	0	0	1	1.09283	0	0.082823
FBgn02668	19834977	CR45302	0	0	1	1.09283	0.18115	0.476165
FBgn02668	19835313	CR45312	0	0	1	1.09283	0	0.028918
FBgn02669	19835073	CR45370	0	0	1	1.09283	0.0866249	0.273238
FBgn02669	19835792	CR45400	0	0	1	1.09283	0	0.084499
FBgn02669	19835783	CR45403	0	0	1	1.09283	0.132728	0.348884
FBgn02669	19835319	CR45411	0	0	1	1.09283	0	0.092814
FBgn02669	19835633	CR45444	0	0	1	1.09283	0.719136	1.59625
FBgn02670	19836088	CR45450	0	0	1	1.09283	0	0.042067
FBgn02670	19835615	CR45458	0	0	1	1.09283	0.101484	0.320108
FBgn02670	19834754	CR45471	0	0	1	1.09283	0.225285	0.507578
FBgn02670	19835126	CR45507	0	0	1	1.09283	0	0.06168
FBgn02670	19836165	CR45515	0	0	1	1.09283	0	0.146183
FBgn02670	19835254	CR45526	0	0	1	1.09283	0.108619	0.342615
FBgn02670	19835935	CR45539	0	0	1	1.09283	0	0.144735
FBgn02671	19835229	CR45556	0	0	1	1.09283	0.0730791	0.192093
FBgn02671	19835346	CR45606	0	0	1	1.09283	0.0697781	0.183416
FBgn02672	19835499	CR45692	0	0	1	1.09283	0.343291	0.794078
FBgn02672	19835562	CR45721	0	0	1	1.09283	0	0.061164
FBgn02673	19835496	CR45737	0	0	1	1.09283	0	0.056224
FBgn02673	19835944	CR45740	0	0	1	1.09283	0	0.085487
FBgn02673	19835121	CR45747	0	0	1	1.09283	0	0.126565
FBgn02675	26067228	CR45900	0	0	1	1.09283	0	0.082589
FBgn02676	26067343	CR46022	0	0	1	1.09283	0.207203	0.479287
FBgn02678	26067442	CR46126	0	0	1	1.09283	0.0726021	0.229007
FBgn02678	26067462	CR46147	0	0	1	1.09283	0	0.097131
FBgn02678	26067473	CR46159	0	0	1	1.09283	0.106132	0.278974
FBgn02678	26067479	CR46165	0	0	1	1.09283	0	0.04055
FBgn02678	26067482	CR46168	0	0	1	1.09283	0	0.071309
FBgn02678	26067486	CR46172	0	0	1	1.09283	0	0.06454

FBgn02678	26067490	CR46176	0	0	1	1.09283	0.0805988	0.211859
FBgn02678	26067501	CR46187	0	0	1	1.09283	0.036301	0.114503
FBgn02679	26067503	CR46189	0	0	1	1.09283	0	0.064398
FBgn02679	26067070	CG46192	0	0	1	1.09283	0	0.072728
FBgn02679	26067516	CR46205	0	0	1	1.09283	0	0.128795
FBgn02679	26067555	CR46245	0	0	1	1.09283	0	0.030328
FBgn00516	3772342	His-Psi:CR3	0	0	1	1.03625	1.0593	2.22754
FBgn02647	14462444	asRNA:CR4	0	0	1	1.01037	0.271284	0.570468
FBgn02667	19835237	CR45216	0	0	1	1.01037	0.388903	0.817804
FBgn00399	12798062	CR40282	0	0	1	0.999724	0.242399	0.509727
FBgn00448	117459	TotZ	0	0	1	0.999724	0.339697	0.71433
FBgn00385	42113	CG7587	0	0	1	0.985918	0.303345	0.637887
FBgn00523	38293	CG32302	0	0	1	0.977356	0.309248	0.623206
FBgn00298	31512	AgmNAT	0	0	1	0.967302	0.14528	0.305502
FBgn00309	32845	CG15047	0	0	1	0.967302	0.152616	0.320928
FBgn00319	34053	CG7214	0	0	1	0.967302	0.293826	0.589785
FBgn00322	34401	CG5367	0	0	1	0.967302	0.217703	0.436987
FBgn02679	26067560	CR46250	0	0	1	0.967302	0.145432	0.305821
FBgn00527	31867	Ir8a	0	0	1	0.94083	0.0395682	0.083206
FBgn00829	5740409	snoRNA:M	0	0	1	0.94083	1.37316	2.88756
FBgn02629	12798002	CR43274	0	0	1	0.94083	0.214309	0.450659
FBgn02664	19835433	CR45052	0	0	1	0.94083	0.154911	0.325755
FBgn02669	19835158	CR45412	0	0	1	0.94083	0.382659	0.75997
FBgn02672	19835668	CR45707	0	0	1	0.94083	0.191111	0.401876
FBgn02674	26067119	CR45788	0	0	1	0.94083	0.630376	1.25194
FBgn00384	42075	TwdlW	0	0	1	0.922908	0.19756	0.389474
FBgn02599	8674014	Sfp79B	0	0	1	0.922908	0.954733	1.88218
FBgn00025	38015	Lsp1gamm	0	0	1	0.915956	0.133418	0.257178
FBgn02670	19836097	CR45524	0	0	1	0.915956	0.370754	0.71467
FBgn00203	44382	Sr-CIII	0	0	1	0.900188	0.071421	0.150188
FBgn00303	32178	CG11356	0	0	1	0.900188	0.107361	0.225765
FBgn00320	34195	CG9289	0	0	1	0.900188	0.0391826	0.082395
FBgn00348	37738	Eglp3	0	0	1	0.900188	0.0924831	0.194478
FBgn00371	40480	CG14455	0	0	1	0.900188	0.125822	0.264584

FBgn00390	42712	Or94b	0	0	1	0.900188	0.072413	0.152273
FBgn00416	318012	Or65b	0	0	1	0.900188	0.0683208	0.143668
FBgn00532	2768901	Ste:CG3323	0	0	1	0.900188	0.13743	0.288993
FBgn02635	12798022	CR43606	0	0	1	0.900188	0.0648676	0.136407
FBgn02648	14462454	CG44038	0	0	1	0.900188	0.318396	0.669538
FBgn02677	26067405	CR46088	0	0	1	0.900188	0.155344	0.326665
FBgn02658	19835979	CR44674	0	0	1	0.886382	0.586283	1.10077
FBgn00205	3772110	iab-4	0	0	1	0.870441	0.0258786	0.049884
FBgn00371	40422	CG14572	0	0	1	0.870441	0.183744	0.354187
FBgn00829	5740295	snoRNA:Mc	0	0	1	0.870441	2.11189	4.07091
FBgn02662	19834853	CR44901	0	0	1	0.870441	0.453615	0.834647
FBgn00663	38531	dyl	0	0	1	0.863351	0.141735	0.260791
FBgn00365	39773	CG13073	0	0	1	0.858368	0.16684	0.311856
FBgn02655	19835556	CR44384	0	0	1	0.858368	0.50354	0.941216
FBgn02658	19835937	CR44682	0	0	1	0.858368	0.521373	0.97455
FBgn02672	19836186	CR45699	0	0	1	0.858368	0.630376	1.1783
FBgn02657	19835940	CR44523	0	0	1	0.851825	0.882749	1.62425
FBgn00027	43151	E(spl)mgam	0	0	1	0.847721	0.457847	0.834412
FBgn02654	19836089	CG44329	0	0	1	0.847721	0.701006	1.27756
FBgn00019	34906	wor	0	0	1	0.829799	0.0250284	0.052631
FBgn00045	39708	Eig71Eg	0	0	1	0.829799	0.134657	0.283162
FBgn00048	43011	fd96Cb	0	0	1	0.829799	0.20446	0.376205
FBgn00206	45018	Lcp65Ae	0	0	1	0.829799	0.116834	0.245685
FBgn00298	31506	CG3108	0	0	1	0.829799	0.0155431	0.032685
FBgn00302	31975	Or9a	0	0	1	0.829799	0.0471698	0.099191
FBgn00317	33785	CG18269	0	0	1	0.829799	0.24206	0.445388
FBgn00331	35647	CG1850	0	0	1	0.829799	0.0231432	0.048667
FBgn00335	36180	CG13217	0	0	1	0.829799	0.114903	0.241624
FBgn00360	39189	Or67c	0	0	1	0.829799	0.0457722	0.096252
FBgn00366	39799	CG13062	0	0	1	0.829799	0.0694297	0.146
FBgn00370	40353	Cpr78Cb	0	0	1	0.829799	0.0261832	0.055059
FBgn00416	59214	Or19a	0	0	1	0.829799	0.0477776	0.100469
FBgn00502	3772005	tRNA:Thr-A	0	0	1	0.829799	0.751529	1.58035
FBgn00515	3771821	tRNA:Ala-A	0	0	1	0.829799	0.761824	1.602

FBgn00520	317842	CG32074	0	0	1	0.829799	0.315984	0.598019
FBgn00532	2768897	Ste:CG332	0	0	1	0.829799	0.0916197	0.192662
FBgn00536	3771825	CG33654	0	0	1	0.829799	0.109691	0.230663
FBgn00537	3772217	snmRNA:4	0	0	1	0.829799	1.54481	3.2485
FBgn00538	3771803	His1:CG33	0	0	1	0.829799	0.0543628	0.114317
FBgn00539	3772652	CG33923	0	0	1	0.829799	0.103563	0.217777
FBgn00539	3885594	CG33998	0	0	1	0.829799	0.377679	0.694925
FBgn00860	5740171	snoRNA:M	0	0	1	0.829799	0.761824	1.602
FBgn00865	36196	Cpr47Eg	0	0	1	0.829799	0.132098	0.277782
FBgn02634	12798307	CR43604	0	0	1	0.829799	0.276682	0.581821
FBgn02635	12798433	CR43617	0	0	1	0.829799	0.0320352	0.067365
FBgn02636	14462522	CR43644	0	0	1	0.829799	0.0929986	0.195562
FBgn02637	14462602	CR43687	0	0	1	0.829799	0.123038	0.25873
FBgn02653	19835206	CR44276	0	0	1	0.829799	0.131785	0.277123
FBgn02656	19835412	CR44469	0	0	1	0.829799	0.196513	0.413237
FBgn02657	19835205	CR44547	0	0	1	0.829799	0.0911691	0.191715
FBgn02659	19834919	CR44763	0	0	1	0.829799	0.0694297	0.146
FBgn02663	19836099	CR45037	0	0	1	0.829799	0.118578	0.249352
FBgn02670	19835540	CR45529	0	0	1	0.829799	0.107987	0.22708
FBgn02672	19836022	CR45684	0	0	1	0.829799	0.175991	0.370082
FBgn02677	26067392	CR46075	0	0	1	0.829799	0.0837548	0.176124
FBgn02677	26067401	CR46084	0	0	1	0.829799	0.0724885	0.137189
FBgn02679	26067536	CR46225	0	0	1	0.829799	0.701427	1.26428
FBgn02651	14462649	CR44218	0	0	1	0.815299	0.58443	1.03492
FBgn00393	43134	MCO3	0	0	1	0.812725	0.202046	0.358486
FBgn02612	3346204	CheB53b	0	0	1	0.793273	0.316498	0.570468
FBgn02676	26067314	CR45993	0	0	1	0.793273	0.354547	0.639049
FBgn02678	26067467	CR46153	0	0	1	0.793273	0.659817	1.18928
FBgn00386	42202	CG7126	0	0	1	0.770905	0.180856	0.332773
FBgn00516	318854	His1:CG31	0	0	1	0.770905	0.108726	0.200054
FBgn00532	2768904	Ste:CG332	0	0	1	0.770905	0.183239	0.337159
FBgn00852	5740807	CG34225	0	0	1	0.770905	0.188519	0.346874
FBgn02603	40216	CG17147	0	0	1	0.770905	0.220299	0.386045
FBgn02657	19835840	CR44575	0	0	1	0.770905	0.48594	0.851549

FBgn02659	19836025	CR44716	0	0	1	0.770905	0.597277	1.04665
FBgn02660	19835893	CR44802	0	0	1	0.770905	1.08486	1.86105
FBgn02666	19835114	asRNA:CR4	0	0	1	0.770905	0.712989	1.24942
FBgn02666	19835451	CR45178	0	0	1	0.770905	0.424528	0.781128
FBgn02667	19835627	CR45222	0	0	1	0.770905	0.312434	0.574875
FBgn02671	19834855	CR45569	0	0	1	0.770905	0.277372	0.510363
FBgn02671	19836039	CR45634	0	0	1	0.770905	0.527139	0.969932
FBgn02679	26067547	CR46236	0	0	1	0.770905	0.372885	0.644099
FBgn02633	12797938	CG43407	0	0	1	0.760258	0.911691	1.55768
FBgn02647	14462391	CR44016	0	0	1	0.760258	0.502718	0.858926
FBgn02667	19836132	CR45245	0	0	1	0.758414	0.577585	0.975996
FBgn02669	19835806	CR45380	0	0	1	0.755798	0.964897	1.66012
FBgn00852	5740572	CG34193	0	0	1	0.751796	0.214539	0.36342
FBgn00048	38471	FoxL1	0	0	1	0.749946	0.49163	0.827058
FBgn00045	39707	Eig71Ef	0	0	1	0.74491	0.397237	0.696107
FBgn00205	3772220	bxd	0	0	1	0.74491	0.0478324	0.08382
FBgn00362	39345	CCDC151	0	0	1	0.74491	0.301426	0.507083
FBgn02614	40549	hkb	0	0	1	0.74491	0.106471	0.186576
FBgn02619	19836078	CR42794	0	0	1	0.74491	0.351241	0.615505
FBgn02660	19835614	CR44833	0	0	1	0.74491	0.810506	1.37661
FBgn02667	19835031	CR45211	0	0	1	0.74491	0.639232	1.12017
FBgn02676	26067351	CR46032	0	0	1	0.74491	0.24075	0.421883
FBgn00304	32248	CG12716	0	0	1	0.73669	0.306916	0.516318
FBgn00528	318235	CG32829	0	0	1	0.730263	0.257171	0.439393
FBgn02634	12798044	CG43448	0	0	1	0.730263	1.36668	2.26597
FBgn02677	26067377	CR46060	0	0	1	0.730263	0.361712	0.618007
FBgn00321	34262	CG3769	0	0	1	0.726705	0.584084	0.965046
FBgn00330	35580	Zip42C.2	0	0	1	0.717324	0.500432	0.823564
FBgn00535	3346226	ppk13	0	0	1	0.717324	0.422425	0.695188
FBgn00502	246531	CG30288	0	0	1	0.714322	0.345781	0.575641
FBgn00309	32805	upd2	0	0	1	0.709505	0.407268	0.664466
FBgn02617	37654	CG42741	0	0	1	0.70581	0.265745	0.431816
FBgn02671	19835922	CR45598	0	0	1	0.70581	0.795895	1.30754
FBgn02679	26067552	CR46241	0	0	1	0.70581	1.30089	2.13717

FBgn02670	19835164	asRNA:CR4	0	0	1	0.700516	0.19933	0.32485
FBgn00528	318250	CG32855	0	0	1	0.698554	0.303897	0.493811
FBgn02679	26067548	CR46237	0	0	1	0.698554	0.834577	1.35613
FBgn02665	19836044	CR45120	0	0	1	0.695498	1.10546	1.78817
FBgn00301	31934	CG2990	0	0	1	0.690735	0.271799	0.436603
FBgn00001	40830	bcd	0	0	1	0.677796	0.0986827	0.1614
FBgn00100	48339	GstD6	0	0	1	0.677796	0.819938	1.31189
FBgn00118	3771881	tRNA:Gly-G	0	0	1	0.677796	0.391642	0.823564
FBgn00119	3771925	tRNA:SeC-T	0	0	1	0.677796	0.319616	0.672104
FBgn00137	19893553	mt:tRNA:Th	0	0	1	0.677796	0.421312	0.885955
FBgn00149	42664	btn	0	0	1	0.677796	0.174884	0.306462
FBgn00242	36813	cato	0	0	1	0.677796	0.0390542	0.082125
FBgn00255	37963	Lcp9	0	0	1	0.677796	0.0705751	0.148409
FBgn00256	31410	Klf15	0	0	1	0.677796	0.0269444	0.05666
FBgn00263	39619	Tom	0	0	1	0.677796	0.028875	0.06072
FBgn00296	31352	CG6414	0	0	1	0.677796	0.200432	0.323133
FBgn00308	32710	CG12998	0	0	1	0.677796	0.0248052	0.052162
FBgn00308	32711	CG5172	0	0	1	0.677796	0.0352875	0.074204
FBgn00310	32913	Muc18B	0	0	1	0.677796	0.558073	0.892913
FBgn00321	34271	CG13113	0	0	1	0.677796	0.039442	0.08294
FBgn00335	36178	CG13228	0	0	1	0.677796	0.0590373	0.124147
FBgn00336	36191	Cpr47Ec	0	0	1	0.677796	0.112123	0.196482
FBgn00340	36715	Ir52a	0	0	1	0.677796	0.0463443	0.081213
FBgn00341	36882	CG15615	0	0	1	0.677796	0.369717	0.593323
FBgn00344	37211	CG10474	0	0	1	0.677796	0.0218434	0.045933
FBgn00350	37917	Ir60e	0	0	1	0.677796	0.0485281	0.085039
FBgn00355	38509	Cpr64Ab	0	0	1	0.677796	0.0503742	0.105929
FBgn00355	38567	CG13716	0	0	1	0.677796	0.392748	0.660712
FBgn00355	38604	CG4597	0	0	1	0.677796	0.0490416	0.103127
FBgn00357	38843	CG7548	0	0	1	0.677796	0.0410127	0.086243
FBgn00366	39802	CG13060	0	0	1	0.677796	0.0515892	0.108484
FBgn00367	39929	Or74a	0	0	1	0.677796	0.11443	0.192504
FBgn00367	40021	CG7271	0	0	1	0.677796	0.019763	0.041559
FBgn00371	40484	CG14453	0	0	1	0.677796	0.0491282	0.103309

FBgn00376	41069	CG11966	0	0	1	0.677796	0.0912889	0.147174
FBgn00380	41487	Cyp313a2	0	0	1	0.677796	0.0528978	0.092697
FBgn00381	41654	Ir87a	0	0	1	0.677796	0.0575706	0.09685
FBgn00386	42246	Muc91C	0	0	1	0.677796	0.00893815	0.018796
FBgn00392	42951	CG13634	0	0	1	0.677796	0.015137	0.031831
FBgn00394	43209	TwdlS	0	0	1	0.677796	0.0343291	0.072189
FBgn00395	43375	Or98b	0	0	1	0.677796	0.0241586	0.050802
FBgn00400	12798472	CR12460	0	0	1	0.677796	0.109475	0.191841
FBgn00409	50415	CG15308	0	0	1	0.677796	0.0473707	0.099613
FBgn00454	117470	Gr93d	0	0	1	0.677796	0.024264	0.051024
FBgn00454	117472	Gr93b	0	0	1	0.677796	0.0234062	0.04922
FBgn00468	37265	Obp56b	0	0	1	0.677796	0.24349	0.409618
FBgn00468	43309	Gr98d	0	0	1	0.677796	0.0224428	0.047194
FBgn00504	246631	Ir52b	0	0	1	0.677796	0.0465772	0.081621
FBgn00513	12797885	CR31386	0	0	1	0.677796	0.0301917	0.052907
FBgn00514	318728	Ir94b	0	0	1	0.677796	0.140674	0.230079
FBgn00514	318735	CG31437	0	0	1	0.677796	0.228458	0.377467
FBgn00518	10178843	CR31822	0	0	1	0.677796	0.0430442	0.090516
FBgn00522	317945	CG32266	0	0	1	0.677796	0.0528642	0.111165
FBgn00526	318139	Mur11Da	0	0	1	0.677796	0.0414611	0.072655
FBgn00530	318826	CG33003	0	0	1	0.677796	0.0683881	0.115048
FBgn00536	3772257	CG33626	0	0	1	0.677796	0.0551718	0.116018
FBgn00537	14462358	CR33797	0	0	1	0.677796	0.0397237	0.083533
FBgn00538	3771734	His1:CG338	0	0	1	0.677796	0.0815442	0.142896
FBgn00538	3772075	His1:CG338	0	0	1	0.677796	0.0815442	0.142896
FBgn00539	3885639	CG33985	0	0	1	0.677796	0.0969997	0.16998
FBgn00633	3772268	snoRNA:Mo	0	0	1	0.677796	0.319616	0.672104
FBgn00650	3772146	snoRNA:22	0	0	1	0.677796	0.198618	0.417664
FBgn00829	5740173	snoRNA:Mo	0	0	1	0.677796	0.347582	0.730913
FBgn00830	5740486	snoRNA:Psi	0	0	1	0.677796	0.18415	0.387239
FBgn00830	5740425	snoRNA:Psi	0	0	1	0.677796	0.205975	0.433133
FBgn00839	4379868	snoRNA:Mo	0	0	1	0.677796	0.305567	0.642561
FBgn00852	5740507	CG34259	0	0	1	0.677796	0.0217069	0.045646
FBgn00858	5740749	CR41606	0	0	1	0.677796	0.0397426	0.069644

FBgn00860	5740729	snoRNA:M	0	0	1	0.677796	0.370754	0.77964
FBgn00862	33830	psd	0	0	1	0.677796	0.0180211	0.037896
FBgn02591	7354418	Ir7f	0	0	1	0.677796	0.0140225	0.029487
FBgn02599	3346237	nab	0	0	1	0.677796	0.0337732	0.059183
FBgn02602	14462378	CR42499	0	0	1	0.677796	0.0232302	0.04885
FBgn02615	10178935	CG42649	0	0	1	0.677796	0.126971	0.267
FBgn02617	10178872	CR42746	0	0	1	0.677796	0.235364	0.388877
FBgn02618	10178796	CG42780	0	0	1	0.677796	0.0346716	0.072909
FBgn02619	10178941	CG42811	0	0	1	0.677796	0.0433124	0.09108
FBgn02619	50072	CG42812	0	0	1	0.677796	0.0402411	0.084621
FBgn02628	12797895	CG43208	0	0	1	0.677796	0.379871	0.639049
FBgn02630	12798534	CR43359	0	0	1	0.677796	0.0415024	0.087273
FBgn02634	12798321	snoRNA:De	0	0	1	0.677796	0.16751	0.352247
FBgn02634	12798382	snoRNA:gc	0	0	1	0.677796	0.172712	0.363186
FBgn02634	12798397	snoRNA:lol	0	0	1	0.677796	0.16751	0.352247
FBgn02643	14462685	CG43815	0	0	1	0.677796	0.604491	0.988674
FBgn02648	34845	Pburs	0	0	1	0.677796	0.0510213	0.10729
FBgn02648	14462691	CR44078	0	0	1	0.677796	0.0491282	0.103309
FBgn02648	14462502	asRNA:CR4	0	0	1	0.677796	0.0247831	0.052115
FBgn02649	14462403	CR44129	0	0	1	0.677796	0.0866249	0.182159
FBgn02650	14462558	CR44172	0	0	1	0.677796	0.039667	0.083414
FBgn02650	14462645	CR44186	0	0	1	0.677796	0.0553916	0.11648
FBgn02655	19835500	CR44394	0	0	1	0.677796	0.146094	0.256011
FBgn02656	19835986	CR44463	0	0	1	0.677796	0.138341	0.290911
FBgn02656	19835175	CR44467	0	0	1	0.677796	0.267739	0.442368
FBgn02656	19835808	CR44500	0	0	1	0.677796	0.040892	0.08599
FBgn02657	19836082	CG44569	0	0	1	0.677796	0.0236853	0.049807
FBgn02658	19835284	CR44635	0	0	1	0.677796	0.380912	0.6675
FBgn02659	19835628	CR44726	0	0	1	0.677796	0.0840078	0.176656
FBgn02660	19834874	CR44813	0	0	1	0.677796	0.16207	0.267778
FBgn02663	19835264	CR45021	0	0	1	0.677796	0.245641	0.413237
FBgn02663	19834752	CR45031	0	0	1	0.677796	0.439978	0.740165
FBgn02665	19835453	CR45112	0	0	1	0.677796	0.0749504	0.157609
FBgn02666	19836105	CR45153	0	0	1	0.677796	0.130957	0.229486

FBgn02667	19834873	CR45207	0	0	1	0.677796	0.143087	0.250742
FBgn02667	19836058	CR45240	0	0	1	0.677796	0.0214392	0.045083
FBgn02668	19834976	CR45317	0	0	1	0.677796	0.0308619	0.064898
FBgn02668	19835825	CR45333	0	0	1	0.677796	0.0939412	0.197544
FBgn02668	19834983	CR45339	0	0	1	0.677796	0.79773	1.31804
FBgn02670	19834867	CR45457	0	0	1	0.677796	0.0539934	0.11354
FBgn02670	19835347	CR45476	0	0	1	0.677796	0.113035	0.237695
FBgn02671	19835177	CR45558	0	0	1	0.677796	0.470235	0.758106
FBgn02671	19834934	CR45565	0	0	1	0.677796	0.111078	0.194651
FBgn02671	19835204	CR45589	0	0	1	0.677796	1.02389	1.64314
FBgn02671	19835436	CR45593	0	0	1	0.677796	0.296656	0.478264
FBgn02671	19835541	CR45607	0	0	1	0.677796	0.0962166	0.202329
FBgn02671	19835796	CR45608	0	0	1	0.677796	0.163954	0.275816
FBgn02671	19835469	CR45639	0	0	1	0.677796	0.0409523	0.086116
FBgn02672	19834957	CR45727	0	0	1	0.677796	0.0911691	0.191715
FBgn02672	19835119	CR45729	0	0	1	0.677796	0.0920748	0.193619
FBgn02677	26067394	CR46077	0	0	1	0.677796	0.43584	0.733204
FBgn02677	26067430	CR46113	0	0	1	0.677796	0.455272	0.736436
FBgn02678	26067497	CR46183	0	0	1	0.677796	0.158292	0.277386
FBgn02679	26067525	CR46214	0	0	1	0.677796	0.00890381	0.018723
FBgn02679	26067526	CR46215	0	0	1	0.677796	0.79773	1.2781
FBgn02679	26067537	CR46226	0	0	1	0.677796	0.710387	1.17373
FBgn02630	12798160	CR43314	0	0	1	0.659874	0.0675295	0.106503
FBgn00379	41411	Fer3	0	0	1	0.656734	0.731752	1.15407
FBgn02669	19836155	CR45410	0	0	1	0.654712	0.964526	1.50882
FBgn02667	19835669	CR45227	0	0	1	0.649227	0.349768	0.551632
FBgn02676	26067291	CR45964	0	0	1	0.640321	0.417099	0.657821
FBgn02656	19835212	CR44461	0	0	1	0.633402	0.334616	0.527735
FBgn02659	19835280	CR44749	0	0	1	0.633402	0.504657	0.795912
FBgn02669	19836246	CR45425	0	0	1	0.633402	0.456594	0.720111
FBgn00341	36880	resilin	0	0	1	0.631253	0.407022	0.626273
FBgn00394	43188	ppk15	0	0	1	0.628886	0.36386	0.563789
FBgn02651	19835677	CG44259	0	0	1	0.628886	0.962341	1.49112
FBgn02656	19835931	CR44458	0	0	1	0.62717	0.864134	1.33041

FBgn00198	34280	gcm2	0	0	1	0.623348	0.0955553	0.150704
FBgn00347	37607	Obp58b	0	0	1	0.623348	0.322863	0.509199
FBgn00536	3771970	CG33641	0	0	1	0.623348	0.308534	0.486599
FBgn02646	19835911	CR43952	0	0	1	0.623348	0.522189	0.823564
FBgn02649	14462733	CR44150	0	0	1	0.623348	0.16878	0.26619
FBgn02659	19835483	CR44699	0	0	1	0.623348	0.522189	0.823564
FBgn02671	19834810	CR45605	0	0	1	0.616395	0.452385	0.697617
FBgn00101	35800	dpn	0	0	1	0.613665	0.300464	0.459513
FBgn00520	326183	CG32037	0	0	1	0.613665	0.333194	0.509569
FBgn00394	43260	CG14258	0	0	1	0.607407	0.185171	0.292041
FBgn02648	14462697	CR44080	0	0	1	0.607407	0.330426	0.507764
FBgn02648	14462719	CR44082	0	0	1	0.607407	0.412969	0.651308
FBgn02656	19835307	CG44476	0	0	1	0.607407	0.575309	0.90734
FBgn02663	19835129	CR45025	0	0	1	0.607407	2.44007	3.68797
FBgn02666	19835515	CR45125	0	0	1	0.607407	0.523008	0.824854
FBgn02668	19835050	CR45296	0	0	1	0.607407	1.50759	2.28961
FBgn00320	34203	LManIII	0	0	1	0.603795	0.339105	0.511959
FBgn02620	10178905	CG42826	0	0	1	0.599793	0.351982	0.534563
FBgn02638	14462504	CR43696	0	0	1	0.595334	0.453144	0.693014
FBgn02648	14462346	CR44043	0	0	1	0.595334	0.123286	0.188547
FBgn02656	19835008	CR44494	0	0	1	0.595334	0.297541	0.455043
FBgn02658	19835730	CR44607	0	0	1	0.595334	1.07324	1.64135
FBgn02629	12797916	CG43295	0	0	1	0.587598	1.15861	1.74027
FBgn00851	5740685	CG34165	0	0	1	0.586648	1.94565	2.89808
FBgn00852	5740186	CG34265	0	0	1	0.585873	1.54812	2.31638
FBgn02664	19835394	CG45060	0	0	1	0.584686	1.72057	2.56768
FBgn02677	26067358	CR46039	0	0	1	0.583159	1.17171	1.74277
FBgn00039	3772126	snRNA:U2::	0	0	1	0.57826	0.579304	0.913641
FBgn00045	32130	dy	0	0	1	0.57826	0.0272948	0.043048
FBgn00048	43010	fd96Ca	0	0	1	0.57826	0.0506726	0.079918
FBgn00334	35968	CG13955	0	0	1	0.57826	0.167622	0.254571
FBgn00347	37609	Obp58d	0	0	1	0.57826	0.152574	0.24063
FBgn00387	42410	CG4362	0	0	1	0.57826	0.134169	0.211603
FBgn00394	43269	CG5882	0	0	1	0.57826	0.14967	0.22481

FBgn00515	3772700	tRNA:Ala-A	0	0	1	0.57826	1.52365	2.403
FBgn00532	2768958	CG33272	0	0	1	0.57826	0.416578	0.657
FBgn00538	3771838	His1:CG338	0	0	1	0.57826	0.108726	0.171475
FBgn00538	3771816	His1:CG338	0	0	1	0.57826	0.108726	0.171475
FBgn00538	3772225	His1:CG338	0	0	1	0.57826	0.108726	0.171475
FBgn00633	3772411	snoRNA:Me	0	0	1	0.57826	5.33277	8.01
FBgn00633	3772137	snoRNA:Me	0	0	1	0.57826	3.68028	5.58933
FBgn00829	5740754	snoRNA:Psi	0	0	1	0.57826	0.794474	1.25299
FBgn00860	5740229	snoRNA:Or	0	0	1	0.57826	1.66009	2.61819
FBgn00866	35013	CG13272	0	0	1	0.57826	0.104789	0.157397
FBgn02634	12797900	asRNA:CR4	0	0	1	0.57826	0.100657	0.15875
FBgn02634	12798444	snoRNA:2R	0	0	1	0.57826	0.736598	1.16172
FBgn02634	12798166	snoRNA:SC	0	0	1	0.57826	0.712989	1.12448
FBgn02644	14462910	CG43895	0	0	1	0.57826	0.18415	0.290429
FBgn02651	14462457	CR44231	0	0	1	0.57826	0.387999	0.589263
FBgn02659	19834726	CR44742	0	0	1	0.57826	0.216394	0.341282
FBgn02671	19835776	CR45596	0	0	1	0.57826	0.254523	0.401417
FBgn02674	26067132	asRNA:CR4	0	0	1	0.57826	1.35037	1.99933
FBgn02670	19835969	CR45521	0	0	1	0.572001	0.71128	1.05167
FBgn00342	37002	Oxp	0	0	1	0.570881	2.02366	2.99457
FBgn02660	19835425	CR44820	0	0	1	0.570881	0.841679	1.2455
FBgn02591	42765	Ir94e	0	0	1	0.569271	0.333194	0.493645
FBgn00325	34806	Ance-2	0	0	1	0.566765	0.212742	0.315786
FBgn02616	3885667	CG42729	0	0	1	0.566765	1.60335	2.36011
FBgn02648	14462812	CR44056	0	0	1	0.566765	0.941657	1.39776
FBgn02677	26067378	CR46061	0	0	1	0.564139	0.424453	0.622716
FBgn00829	5740470	snoRNA:Me	0	0	1	0.562319	3.97237	5.91691
FBgn02649	14462382	asRNA:CR4	0	0	1	0.562319	6.35935	9.30848
FBgn00267	35307	Ugt37a1	0	0	1	0.560612	0.78811	1.15289
FBgn00380	41488	Cyp313a3	0	0	1	0.558497	0.312961	0.460677
FBgn00536	3772494	CG33679	0	0	1	0.558497	0.736598	1.08427
FBgn02613	8674052	CG42633	0	0	1	0.558497	0.4939	0.727018
FBgn02667	19835717	CR45191	0	0	1	0.557502	2.44618	3.56927
FBgn00829	5740439	snoRNA:Me	0	0	1	0.55678	8.94925	13.106

FBgn00287	44125	ETH	0	0	1	0.555177	1.62052	2.36215
FBgn00839	4379880	CG34115	0	0	1	0.555177	2.92701	4.26657
FBgn00001	30985	ase	0	0	1	0.552265	0.0801013	0.120315
FBgn00345	37341	CG11159	0	0	1	0.552265	0.635821	0.935925
FBgn00363	39496	SNCF	0	0	1	0.552265	0.320142	0.480864
FBgn00537	3772054	CG33775	0	0	1	0.552265	0.354547	0.532541
FBgn00839	32067	Ir10a	0	0	1	0.552265	0.108197	0.162515
FBgn02644	14462415	CR43862	0	0	1	0.552265	0.291823	0.438328
FBgn02671	19835448	CR45542	0	0	1	0.552265	0.369347	0.554772
FBgn02671	19835869	CR45564	0	0	1	0.552265	0.395622	0.594238
FBgn00398	43712	Loxl1	0	0	1	0.548028	1.18202	1.71141
FBgn02636	14462499	CR43653	0	0	1	0.546551	0.91469	1.32505
FBgn00520	326196	sunn	0	0	1	0.545346	0.518538	0.749654
FBgn02644	14462790	CR43858	0	0	1	0.545346	3.72528	5.38567
FBgn02662	19835462	CR44927	0	0	1	0.545346	0.448896	0.655527
FBgn00273	40297	Six4	0	0	1	0.540292	0.315813	0.45855
FBgn00289	34918	Or35a	0	0	1	0.540292	0.215555	0.317295
FBgn00390	42711	Or94a	0	0	1	0.540292	0.501665	0.728401
FBgn00403	31064	CG14626	0	0	1	0.540292	0.196791	0.289675
FBgn00454	117481	Gr64a	0	0	1	0.540292	0.392432	0.569798
FBgn02635	31469	Vsx2	0	0	1	0.540292	0.246076	0.357294
FBgn02653	19835644	CR44306	0	0	1	0.540292	0.729012	1.0585
FBgn02662	19835685	CR44947	0	0	1	0.540292	0.250059	0.368086
FBgn02671	19835559	CR45590	0	0	1	0.540292	0.357411	0.526107
FBgn02674	26067052	Myo81F	0	0	1	0.540292	0.230335	0.331876
FBgn00540	3885648	CG34028	0	0	1	0.533406	0.634185	0.923258
FBgn00650	3772551	snoRNA:U3	0	0	1	0.533406	2.08951	3.04195
FBgn02619	10178942	snoRNA:Or	0	0	1	0.533406	3.68863	5.36997
FBgn02630	34830	CG43333	0	0	1	0.533406	0.0837936	0.121988
FBgn02645	14462759	CG43925	0	0	1	0.533406	1.15123	1.67598
FBgn02669	19835219	CR45407	0	0	1	0.533406	0.794474	1.15661
FBgn02672	19835823	CR45664	0	0	1	0.533406	0.734727	1.06963
FBgn02660	19835133	CR44829	0	0	1	0.532118	1.75684	2.516
FBgn02591	53544	CG42296	0	0	1	0.531718	0.381625	0.547159

FBgn02679	26067540	CR46229	0	0	1	0.528932	1.04038	1.49166
FBgn00343	37094	CG18537	0	0	1	0.527236	1.64915	2.36011
FBgn00343	37093	CG18536	0	0	1	0.52673	1.9761	2.81976
FBgn02642	14462813	CR43762	0	0	1	0.525793	0.504609	0.726026
FBgn02629	12798068	CR43256	0	0	1	0.521677	1.18629	1.69632
FBgn02620	10178852	CG42819	0	0	1	0.519098	1.42716	2.033
FBgn00533	2768681	CG33339	0	0	1	0.513676	1.66621	2.355
FBgn02669	19834820	CR45434	0	0	1	0.513165	2.04057	2.88202
FBgn00027	43150	E(spl)mdelt	0	0	1	0.507871	0.0548995	0.086584
FBgn00030	41662	CG9757	0	0	1	0.507871	0.0653504	0.103066
FBgn00040	30980	y	0	0	1	0.507871	0.0682203	0.10042
FBgn00041	30982	sc	0	0	1	0.507871	0.270718	0.386296
FBgn00045	39701	Eig71Eb	0	0	1	0.507871	0.471298	0.681359
FBgn00136	19893563	mt:tRNA:Ile	0	0	1	0.507871	0.855587	1.34938
FBgn00263	33335	Or22a	0	0	1	0.507871	0.0391366	0.061724
FBgn00298	31594	APC7	0	0	1	0.507871	0.709597	0.998998
FBgn00299	31648	CG3032	0	0	1	0.507871	0.643122	0.907524
FBgn00300	31822	CG12661	0	0	1	0.507871	1.00799	1.42528
FBgn00303	32176	moon	0	0	1	0.507871	0.0685736	0.10815
FBgn00305	32412	CG12539	0	0	1	0.507871	0.0666825	0.098156
FBgn00320	34194	CG9287	0	0	1	0.507871	0.365321	0.517068
FBgn00333	35905	CG8172	0	0	1	0.507871	0.123742	0.176571
FBgn00337	36355	CG13157	0	0	1	0.507871	0.467338	0.660278
FBgn00354	38403	CG14960	0	0	1	0.507871	0.0385133	0.060741
FBgn00358	38907	CG13675	0	0	1	0.507871	0.0372243	0.058708
FBgn00358	38929	CG7201	0	0	1	0.507871	0.0334616	0.052774
FBgn00364	39586	CG4613	0	0	1	0.507871	0.0448132	0.070677
FBgn00365	39782	CG13070	0	0	1	0.507871	0.0979105	0.154418
FBgn00366	39801	CG13041	0	0	1	0.507871	0.108408	0.170974
FBgn00366	2768955	Obp73a	0	0	1	0.507871	0.245804	0.355361
FBgn00369	40215	CG17145	0	0	1	0.507871	0.168143	0.243085
FBgn00387	42375	CG4770	0	0	1	0.507871	0.0888389	0.13077
FBgn00391	42910	CG13613	0	0	1	0.507871	0.0842624	0.132893
FBgn00394	43257	CG14257	0	0	1	0.507871	0.148132	0.211375

FBgn00406	50172	CG15024	0	0	1	0.507871	0.11235	0.177191
FBgn00468	170882	Obp56c	0	0	1	0.507871	0.0572152	0.090236
FBgn00500	246413	Cpr49Aa	0	0	1	0.507871	0.095228	0.150188
FBgn00501	36950	CG30101	0	0	1	0.507871	0.467943	0.662316
FBgn00537	3772647	snmRNA:43	0	0	1	0.507871	1.54481	2.43638
FBgn00537	3772061	snmRNA:43	0	0	1	0.507871	1.54481	2.43638
FBgn00650	3772133	snoRNA:Mc	0	0	1	0.507871	0.817841	1.28985
FBgn00830	5740697	snoRNA:Psi	0	0	1	0.507871	1.63568	2.36472
FBgn00856	10178966	Su(Ste):CR4	0	0	1	0.507871	0.0360422	0.056844
FBgn00860	5740524	snoRNA:Mc	0	0	1	0.507871	5.19749	7.37744
FBgn02508	5740547	CG34461	0	0	1	0.507871	0.029692	0.046828
FBgn02591	10178791	Ir60c	0	0	1	0.507871	0.0418459	0.065997
FBgn02609	31104	mei-38	0	0	1	0.507871	0.666026	0.940995
FBgn02625	12798281	CG43125	0	0	1	0.507871	0.178936	0.263392
FBgn02627	26067099	CR43166	0	0	1	0.507871	0.226993	0.357998
FBgn02628	12798172	CG43245	0	0	1	0.507871	0.119444	0.175821
FBgn02628	12797910	CG43248	0	0	1	0.507871	0.164342	0.24191
FBgn02630	12798015	CR43363	0	0	1	0.507871	1.08832	1.54479
FBgn02632	12798186	CR43377	0	0	1	0.507871	0.157099	0.247767
FBgn02632	12798193	CR43384	0	0	1	0.507871	0.248273	0.39156
FBgn02634	12797924	snoRNA:Ed	0	0	1	0.507871	0.39442	0.622053
FBgn02638	14462896	CR43706	0	0	1	0.507871	0.26085	0.383969
FBgn02639	14462567	CR43724	0	0	1	0.507871	0.0583559	0.092035
FBgn02645	14462392	CR43899	0	0	1	0.507871	0.583865	0.844099
FBgn02647	5740769	CG44005	0	0	1	0.507871	0.0395542	0.062382
FBgn02651	14462763	CR44216	0	0	1	0.507871	0.246076	0.362222
FBgn02654	19835278	CR44334	0	0	1	0.507871	0.106743	0.168348
FBgn02657	19834993	CR44525	0	0	1	0.507871	0.11443	0.168441
FBgn02657	19835619	CR44549	0	0	1	0.507871	0.0878565	0.138562
FBgn02658	19836193	CR44639	0	0	1	0.507871	0.0694297	0.1095
FBgn02658	19834889	CR44655	0	0	1	0.507871	0.0808331	0.127485
FBgn02659	19834914	CR44767	0	0	1	0.507871	0.410567	0.588655
FBgn02661	19835523	CR44886	0	0	1	0.507871	0.261095	0.411782
FBgn02662	19835430	CR44932	0	0	1	0.507871	0.534742	0.760678

FBgn02665	19835207	CG45095	0	0	1	0.507871	0.130547	0.192165
FBgn02669	19835465	CR45424	0	0	1	0.507871	0.511385	0.739314
FBgn02670	19834847	CR45462	0	0	1	0.507871	0.458855	0.675431
FBgn02671	19835267	CR45615	0	0	1	0.507871	0.113961	0.179733
FBgn02674	26067161	CR45833	0	0	1	0.507871	0.348453	0.512921
FBgn02675	26067191	5.8SrRNA-F	0	0	1	0.507871	1.13035	1.66387
FBgn02676	26067272	CR45945	0	0	1	0.507871	0.142964	0.225474
FBgn02678	26067474	CR46160	0	0	1	0.507871	0.0717589	0.113174
FBgn02679	26067527	CR46216	0	0	1	0.507871	0.556132	0.791106
FBgn02628	12798403	CG43188	0	0	1	0.503117	2.62326	3.67755
FBgn00100	48340	GstD7	0	0	1	0.501639	2.09653	2.93912
FBgn00520	39230	CG32079	0	0	1	0.501639	1.15355	1.61716
FBgn02648	14462453	CR44036	0	0	1	0.500918	1.66643	2.33617
FBgn00533	2768722	ppk25	0	0	1	0.49809	0.734976	1.03036
FBgn02667	19836208	CR45193	0	0	1	0.49809	0.886658	1.243
FBgn02674	26067162	asRNA:CR4	0	0	1	0.494932	1.84921	2.5924
FBgn02677	26067408	asRNA:CR4	0	0	1	0.494932	2.08644	2.91168
FBgn00840	4379873	CR41440	0	0	1	0.493932	4.03222	5.61605
FBgn00357	38792	CG14829	0	0	1	0.488762	0.398185	0.558215
FBgn00349	37765	CG13561	0	0	1	0.485151	3.29909	4.56993
FBgn02663	19836011	CR45029	0	0	1	0.485151	0.744819	1.04416
FBgn00298	31539	CG5928	0	0	1	0.479856	0.269313	0.37755
FBgn02655	19835726	CR44415	0	0	1	0.479856	0.176084	0.246852
FBgn02668	19835108	CR45267	0	0	1	0.479856	0.191123	0.263995
FBgn00397	43552	CG7896	0	0	1	0.478487	0.342321	0.472032
FBgn00261	3772141	snoRNA:Psi	0	0	1	0.477497	6.95165	9.60628
FBgn02653	19834743	CR44307	0	0	1	0.476162	2.03915	2.8262
FBgn02666	19835064	asRNA:CR4	0	0	1	0.476162	1.5094	2.08076
FBgn00510	318572	CG31053	0	0	1	0.473923	1.42772	1.96578
FBgn00540	12798059	CR34046	0	0	1	0.471345	0.563647	0.790176
FBgn02623	19835643	CR43053	0	0	1	0.471345	2.71621	3.72717
FBgn02660	19835081	CR44826	0	0	1	0.471345	0.501522	0.703082
FBgn02663	19836026	CR44983	0	0	1	0.471345	0.470412	0.65947
FBgn02671	19835539	CR45597	0	0	1	0.471345	2.09452	2.88568

FBgn02679	26067524	CR46213	0	0	1	0.471345	0.678209	0.950781
FBgn00526	318128	CG32625	0	0	1	0.469397	2.61709	3.587
FBgn02661	19834840	asRNA:CR4	0	0	1	0.468982	3.94785	5.41417
FBgn00267	53583	Ugt37c1	0	0	1	0.464802	0.255253	0.352247
FBgn00287	37032	CG6362	0	0	1	0.464802	0.237283	0.327449
FBgn02630	12798549	CR43364	0	0	1	0.464802	1.7655	2.43638
FBgn02657	19834851	CR44518	0	0	1	0.464802	0.898799	1.24034
FBgn02661	19835978	asRNA:CR4	0	0	1	0.464802	0.477879	0.65947
FBgn00540	3885636	CG34030	0	0	1	0.461221	1.82671	2.48973
FBgn00000	33208	al	0	0	1	0.455403	0.0923807	0.129508
FBgn00289	34809	CG16886	0	0	1	0.455403	0.0685736	0.096133
FBgn00319	34037	CG6739	0	0	1	0.455403	0.491066	0.666911
FBgn00338	36531	CG6347	0	0	1	0.455403	0.275523	0.378827
FBgn00356	38728	CG10163	0	0	1	0.455403	0.136754	0.191715
FBgn00363	39500	CG14110	0	0	1	0.455403	0.153769	0.215569
FBgn00364	39597	CG4914	0	0	1	0.455403	0.453095	0.617548
FBgn00394	43258	Cpr97Ea	0	0	1	0.455403	0.0936774	0.131326
FBgn00398	43716	nyo	0	0	1	0.455403	0.0437669	0.061357
FBgn00511	318603	CG31131	0	0	1	0.455403	0.135863	0.190466
FBgn00839	4379856	CG34138	0	0	1	0.455403	1.26394	1.71979
FBgn02591	33051	RunxB	0	0	1	0.455403	0.107745	0.148143
FBgn02633	26067105	CR43406	0	0	1	0.455403	1.1215	1.52599
FBgn02649	14462732	CR44149	0	0	1	0.455403	0.264405	0.370669
FBgn02653	19834794	CR44319	0	0	1	0.455403	0.859997	1.17214
FBgn02656	19836153	CR44472	0	0	1	0.455403	2.78874	3.78205
FBgn02658	19835661	CR44617	0	0	1	0.455403	1.21162	1.6561
FBgn02678	26067464	CR46150	0	0	1	0.455403	0.20396	0.285932
FBgn02679	26067510	CR46199	0	0	1	0.455403	0.234985	0.329425
FBgn00391	42873	CG13606	0	0	1	0.453009	1.27358	1.72457
FBgn00540	3885656	CG34045	0	0	1	0.451287	1.81868	2.46573
FBgn02636	12798469	CR43622	0	0	1	0.450385	1.48366	2.01284
FBgn02660	19834778	CR44819	0	0	1	0.450385	0.746971	1.0134
FBgn00389	42562	CG6800	0	0	1	0.448977	0.734167	0.997065
FBgn00030	41066	osk	0	0	1	0.44647	0.15927	0.216713

FBgn02669	19835302	CR45431	0	0	1	0.44647	0.891909	1.21359
FBgn00383	41854	CG14866	0	0	1	0.445135	0.727176	0.980645
FBgn00377	41211	eloF	0	0	1	0.444306	0.834496	1.1281
FBgn00326	35006	ppk17	0	0	1	0.443908	1.41736	1.90506
FBgn00031	44011	pwn	0	0	1	0.442168	0.344591	0.462953
FBgn00298	31552	Btnd	0	0	1	0.440757	0.145813	0.199305
FBgn00342	37041	CG14490	0	0	1	0.440757	0.391091	0.534563
FBgn00354	38414	CG14961	0	0	1	0.440757	0.889665	1.19313
FBgn00860	5740172	snoRNA:M	0	0	1	0.440757	3.43291	4.69228
FBgn02645	14462579	CR43907	0	0	1	0.440757	1.77962	2.39739
FBgn02629	12797864	asRNA:CR4	0	0	1	0.437969	1.45825	1.9533
FBgn00376	41048	CG13318	0	0	1	0.435226	1.20327	1.61019
FBgn02668	19836219	CR45269	0	0	1	0.434753	4.91385	6.56454
FBgn00345	37376	CG3216	0	0	1	0.43387	0.111673	0.150963
FBgn00516	318874	Nnf1b	0	0	1	0.43387	2.09526	2.80043
FBgn02650	14462666	CR43751	0	0	1	0.43387	0.11433	0.154554
FBgn02668	19835370	CR45319	0	0	1	0.43387	0.11025	0.149039
FBgn00328	2768911	CG13970	0	0	1	0.432683	2.28995	3.05741
FBgn00314	33479	CG3119	0	0	1	0.431635	0.709681	0.949678
FBgn00001	34330	bib	0	0	1	0.429868	0.797869	1.06201
FBgn02668	19835777	CR45323	0	0	1	0.429868	0.78084	1.04905
FBgn02661	19835314	CR44865	0	0	1	0.428701	4.92408	6.54776
FBgn00327	35178	Phlpp	0	0	1	0.427252	0.36102	0.480808
FBgn02670	19835995	CR45461	0	0	1	0.427252	1.12247	1.50206
FBgn02667	19834970	CR45248	0	0	1	0.42596	2.72684	3.62155
FBgn02646	14462872	CR43951	0	0	1	0.424039	0.83839	1.11657
FBgn02664	19835799	CR45059	0	0	1	0.424039	1.08197	1.44097
FBgn02676	26067345	CR46024	0	0	1	0.424039	1.36307	1.81534
FBgn00362	39395	CG11529	0	0	1	0.422681	2.42186	3.20658
FBgn00397	43561	CG7912	0	0	1	0.422681	1.50759	1.99607
FBgn00650	3772709	snmRNA:6	0	0	1	0.421456	8.16697	10.8359
FBgn02642	14462404	CR43768	0	0	1	0.421456	1.47088	1.95156
FBgn02632	12798138	CG43393	0	0	1	0.421159	2.17468	2.87741
FBgn00344	37225	CG10073	0	0	1	0.420408	0.492326	0.652231

FBgn02649	14462529	CR44136	0	0	1	0.419998	1.96539	2.6022
FBgn00438	33890	slam	0	0	1	0.419644	0.391737	0.518403
FBgn02644	14462883	CR43893	0	0	1	0.41882	1.868	2.46911
FBgn02639	14462728	CR43734	0	0	1	0.41756	8.8083	11.622
FBgn00337	36346	CG13155	0	0	1	0.417359	4.07287	5.37235
FBgn00005	35266	bsh	0	0	1	0.414761	0.152024	0.203435
FBgn00025	35818	Lcp2	0	0	1	0.414761	0.0899889	0.126155
FBgn00034	34908	sna	0	0	1	0.414761	0.116694	0.157751
FBgn00153	33823	dsf	0	0	1	0.414761	0.180817	0.239711
FBgn00217	32032	C901	0	0	1	0.414761	0.101167	0.136761
FBgn00335	36177	CG13218	0	0	1	0.414761	0.159502	0.223606
FBgn00345	37373	CG15650	0	0	1	0.414761	0.458616	0.609094
FBgn00361	39216	CG12523	0	0	1	0.414761	0.0718516	0.100729
FBgn00375	41007	Or85b	0	0	1	0.414761	0.0711166	0.099698
FBgn00412	117345	Gr47b	0	0	1	0.414761	0.463108	0.613946
FBgn00435	117407	Tsp68C	0	0	1	0.414761	0.0533374	0.074774
FBgn00454	117473	Gr92a	0	0	1	0.414761	0.167654	0.22664
FBgn00527	12797943	CR32733	0	0	1	0.414761	0.175991	0.246722
FBgn00532	2768872	Ste:CG332	0	0	1	0.414761	0.320669	0.43349
FBgn00536	3772680	CG33640	0	0	1	0.414761	0.155344	0.217777
FBgn00537	3771863	snmRNA:4	0	0	1	0.414761	2.31722	3.2485
FBgn00538	3771981	His1:CG33	0	0	1	0.414761	0.0815442	0.114317
FBgn00538	3771991	His1:CG33	0	0	1	0.414761	0.0815442	0.114317
FBgn00539	3771851	CG33927	0	0	1	0.414761	0.151949	0.213016
FBgn00540	12798361	CR34047	0	0	1	0.414761	0.0634371	0.088932
FBgn00650	3771754	snmRNA:4	0	0	1	0.414761	1.60423	2.24896
FBgn00651	3771943	snmRNA:2	0	0	1	0.414761	2.69096	3.77245
FBgn00829	5740157	snoRNA:Ps	0	0	1	0.414761	1.34239	1.81468
FBgn00855	5740827	CG40635	0	0	1	0.414761	0.315984	0.442977
FBgn00860	5740473	snoRNA:M	0	0	1	0.414761	1.17493	1.64713
FBgn00866	2768684	CG33342	0	0	1	0.414761	0.126394	0.177191
FBgn02635	12798115	CR43495	0	0	1	0.414761	1.96026	2.59541
FBgn02643	14462751	CG43813	0	0	1	0.414761	0.153064	0.21458
FBgn02645	14462816	CR43927	0	0	1	0.414761	0.395622	0.534814

FBgn02654	19835841	CR44352	0	0	1	0.414761	0.700494	0.928651
FBgn02656	19836117	CG44428	0	0	1	0.414761	0.140437	0.196879
FBgn02657	19835048	CR44534	0	0	1	0.414761	0.171293	0.240136
FBgn02657	19834813	CR44572	0	0	1	0.414761	0.995573	1.31455
FBgn02660	19836100	CR44776	0	0	1	0.414761	0.143087	0.200594
FBgn02660	19834755	CR44791	0	0	1	0.414761	0.205467	0.288044
FBgn02662	19835397	CR44902	0	0	1	0.414761	0.101361	0.142097
FBgn02666	19835769	CR45148	0	0	1	0.414761	0.121074	0.169733
FBgn02668	19835928	CR45328	0	0	1	0.414761	0.130343	0.182728
FBgn02668	19835538	CR45340	0	0	1	0.414761	0.940319	1.27115
FBgn02669	19835785	CR45415	0	0	1	0.414761	0.281824	0.395088
FBgn02672	19835199	CR45711	0	0	1	0.414761	0.130957	0.183589
FBgn02675	26067234	CR45906	0	0	1	0.414761	0.329722	0.462237
FBgn02675	26067248	CR45920	0	0	1	0.414761	0.0968871	0.130975
FBgn02677	26067395	CR46078	0	0	1	0.414761	0.340886	0.460821
FBgn00857	5740732	CR41507	0	0	1	0.410024	1.60269	2.10638
FBgn02633	12797999	CR43419	0	0	1	0.410024	1.30039	1.70907
FBgn00855	10178783	CR41243	0	0	1	0.408335	0.936105	1.2303
FBgn00376	41108	HP1e	0	0	1	0.408036	3.9925	5.23492
FBgn00870	41585	Spc25	0	0	1	0.407707	2.32679	3.0505
FBgn00359	39036	Doc3	0	0	1	0.406942	0.599065	0.787339
FBgn00309	32844	CG15042	0	0	1	0.406494	1.36559	1.78957
FBgn00268	31029	CG13358	0	0	1	0.404777	0.545609	0.717083
FBgn02667	19836126	CR45238	0	0	1	0.403762	3.47582	4.54478
FBgn00333	35936	CG8046	0	0	1	0.400406	1.19598	1.55928
FBgn00025	44835	m	0	0	1	0.399495	0.302157	0.394972
FBgn00351	38086	CG13894	0	0	1	0.39846	1.11581	1.45316
FBgn00363	39541	CG13738	0	0	1	0.397688	1.25325	1.64713
FBgn02661	19834862	CR44875	0	0	1	0.397688	0.895182	1.17652
FBgn02668	19835191	CR45358	0	0	1	0.397688	1.31241	1.72487
FBgn02654	19834750	CR44330	0	0	1	0.396225	3.06739	3.99636
FBgn00333	35861	PGRP-SC1b	0	0	1	0.395396	0.489018	0.638274
FBgn00313	33287	CG14340	0	0	1	0.392394	0.674917	0.879934
FBgn00358	38938	CG13670	0	0	1	0.392394	0.72413	0.944096

FBgn00303	32121	CG2444	0	0	1	0.391595	3.4111	4.4191
FBgn02643	14462399	asRNA:CR4	0	0	1	0.391595	9.94996	12.8902
FBgn00298	31595	CG14443	0	0	1	0.390915	0.754588	0.978517
FBgn02633	12798005	CR43408	0	0	1	0.390915	2.59068	3.35947
FBgn02657	19835182	CR44520	0	0	1	0.390738	2.26479	2.93247
FBgn00860	5740396	snoRNA:M	0	0	1	0.389815	12.776	16.5937
FBgn02679	26067571	asRNA:CR4	0	0	1	0.389815	1.70347	2.21249
FBgn00530	36342	CG33012	0	0	1	0.38945	0.888171	1.14935
FBgn00312	33241	CG13689	0	0	1	0.388289	2.34859	3.03487
FBgn00535	3346188	Vkor	0	0	1	0.388289	1.12296	1.46183
FBgn02657	19835389	CR44555	0	0	1	0.388289	1.01378	1.3197
FBgn02667	19835422	CR45249	0	0	1	0.388289	1.86243	2.41361
FBgn00344	37295	CG11788	0	0	1	0.387738	1.86804	2.41421
FBgn00390	42717	lmd	0	0	1	0.387281	0.430853	0.55755
FBgn00409	19836190	CR13130	0	0	1	0.386565	1.00144	1.29862
FBgn00331	35597	CG9447	0	0	1	0.38603	0.88556	1.14392
FBgn00384	42070	CG4053	0	0	1	0.385615	2.37483	3.06588
FBgn00117	40015	rpr	0	0	1	0.38234	2.46895	3.18
FBgn00288	34853	CG15282	0	0	1	0.38234	2.10235	2.71095
FBgn00324	34671	CG15485	0	0	1	0.38234	0.3945	0.509595
FBgn00382	41715	Or88a	0	0	1	0.38234	0.80699	1.04243
FBgn00633	3772573	snoRNA:U3	0	0	1	0.38234	3.32019	4.36366
FBgn00830	5740419	snoRNA:Psi	0	0	1	0.38234	1.58895	2.08832
FBgn00830	5740236	snoRNA:Psi	0	0	1	0.38234	1.62374	2.13405
FBgn02628	12797902	CG43179	0	0	1	0.38234	1.03134	1.33462
FBgn02634	12798165	snoRNA:SC	0	0	1	0.38234	1.45394	1.91088
FBgn02656	19834787	CR44459	0	0	1	0.38234	0.904279	1.18848
FBgn02659	19835249	CR44748	0	0	1	0.38234	1.02987	1.33272
FBgn02659	19834984	CR44758	0	0	1	0.38234	0.885228	1.14975
FBgn02669	19836143	CR45414	0	0	1	0.38234	0.563423	0.731784
FBgn02673	19835192	CR45736	0	0	1	0.38234	0.39442	0.518378
FBgn02675	26067237	asRNA:CR4	0	0	1	0.38234	0.249386	0.327764
FBgn02679	26067528	CR46217	0	0	1	0.38234	0.371373	0.488089
FBgn02671	19835045	CR45580	0	0	1	0.379931	3.44789	4.43079

FBgn00385	42134	CG14321	0	0	1	0.379138	1.58442	2.04072
FBgn00829	5740532	snoRNA:M	0	0	1	0.379138	13.0855	16.854
FBgn00337	36404	Mos	0	0	1	0.378236	0.643287	0.829095
FBgn02633	12798155	CR43409	0	0	1	0.378236	1.93274	2.491
FBgn02631	31935	Cht6	0	0	1	0.377714	0.241946	0.310317
FBgn00144	3885650	Cp7Fa	0	0	1	0.376626	0.592202	0.764168
FBgn02655	19835950	CR44392	0	0	1	0.376626	2.02663	2.60089
FBgn02662	19836205	asRNA:CR4	0	0	1	0.376626	1.59546	2.04619
FBgn02662	19836108	CR44916	0	0	1	0.376626	0.928293	1.19785
FBgn02643	14462739	CR43807	0	0	1	0.376227	4.06771	5.21245
FBgn00380	41490	CG17738	0	0	1	0.376005	5.54779	7.11351
FBgn00517	8673969	CR31700	0	0	1	0.375564	4.0817	5.23038
FBgn00384	41977	CG6901	0	0	1	0.374404	2.02262	2.58894
FBgn00030	33985	Pcp	0	0	1	0.372941	0.503462	0.65151
FBgn02669	19836124	asRNA:CR4	0	0	1	0.372941	0.253319	0.327809
FBgn00396	43412	CG14527	0	0	1	0.371134	1.20056	1.53376
FBgn02669	19836168	CR45406	0	0	1	0.370367	1.31629	1.68672
FBgn00326	35114	CG15161	0	0	1	0.368468	0.304637	0.391481
FBgn00380	41557	CG6753	0	0	1	0.368468	0.282141	0.362572
FBgn00860	5740795	snoRNA:M	0	0	1	0.368468	5.05574	6.497
FBgn02657	19835968	CR44581	0	0	1	0.368468	0.477139	0.613158
FBgn02675	26067204	CR45876	0	0	1	0.368468	1.21326	1.55147
FBgn00006	31294	Fcp3C	0	0	1	0.365852	0.664124	0.850075
FBgn00328	35346	CheB38c	0	0	1	0.365852	1.98317	2.5288
FBgn02667	19835466	CR45229	0	0	1	0.365852	2.43175	3.11263
FBgn02627	12798146	CR43170	0	0	1	0.365359	5.2268	6.64966
FBgn00361	39257	CG6216	0	0	1	0.364135	0.725615	0.926413
FBgn00387	42391	CG4854	0	0	1	0.364135	1.96014	2.49229
FBgn02670	19835853	asRNA:CR4	0	0	1	0.363861	7.50576	9.53364
FBgn00374	40774	Osi17	0	0	1	0.362922	0.22557	0.287478
FBgn00829	5740884	snoRNA:M	0	0	1	0.362922	12.9242	16.4713
FBgn02664	19836000	asRNA:CR4	0	0	1	0.360314	1.50229	1.90738
FBgn00398	43657	Cpr100A	0	0	1	0.359348	2.76452	3.50074
FBgn00005	40354	Edg78E	0	0	1	0.355868	0.2588	0.332577

FBgn00033	41958	Sb	0	0	1	0.355868	0.259439	0.328736
FBgn00041	3772037	snRNA:U1:9	0	0	1	0.355868	0.678209	0.891357
FBgn00143	64867	nol	0	0	1	0.355868	0.195821	0.257364
FBgn00301	31931	CG15252	0	0	1	0.355868	0.0603507	0.079318
FBgn00318	33993	CG11289	0	0	1	0.355868	0.0735138	0.096618
FBgn00329	8674022	CG14397	0	0	1	0.355868	0.730379	0.932497
FBgn00332	35705	CG1339	0	0	1	0.355868	0.176862	0.22728
FBgn00333	35841	CG8736	0	0	1	0.355868	0.145584	0.191338
FBgn00343	37064	CG5756	0	0	1	0.355868	0.0610388	0.078439
FBgn00347	37538	CG3292	0	0	1	0.355868	0.227258	0.290146
FBgn00355	38544	CG15020	0	0	1	0.355868	0.14187	0.18113
FBgn00385	42176	CG14313	0	0	1	0.355868	0.170593	0.224206
FBgn00445	3772672	snoRNA:M	0	0	1	0.355868	2.52787	3.2485
FBgn00454	117476	Gr77a	0	0	1	0.355868	0.47805	0.607349
FBgn00525	318094	TwdlX	0	0	1	0.355868	0.0814248	0.107015
FBgn00538	3772371	His-Psi:CR3	0	0	1	0.355868	0.568771	0.730913
FBgn00538	3772665	His1:CG338	0	0	1	0.355868	0.108726	0.142896
FBgn00538	3772715	His1:CG338	0	0	1	0.355868	0.108726	0.142896
FBgn00538	3771910	His1:CG338	0	0	1	0.355868	0.108726	0.142896
FBgn00829	5740222	snoRNA:Psi	0	0	1	0.355868	0.788839	1.03676
FBgn00831	8674065	Uhg8	0	0	1	0.355868	2.74702	3.47773
FBgn02618	19834865	CR42755	0	0	1	0.355868	0.101391	0.133257
FBgn02630	12798544	CG43337	0	0	1	0.355868	0.0765494	0.100607
FBgn02643	14462383	CR43832	0	0	1	0.355868	0.236652	0.311027
FBgn02647	14462881	CR43985	0	0	1	0.355868	0.494584	0.635576
FBgn02656	19835088	CR44492	0	0	1	0.355868	0.187882	0.24693
FBgn02657	19835117	CR44573	0	0	1	0.355868	0.555805	0.704701
FBgn02659	19835416	CR44717	0	0	1	0.355868	0.232286	0.295113
FBgn02659	19835497	CR44725	0	0	1	0.355868	0.185069	0.243232
FBgn02660	19835768	CR44800	0	0	1	0.355868	0.297397	0.390862
FBgn02662	19834745	CR44964	0	0	1	0.355868	1.32242	1.67227
FBgn02667	19836207	CR45247	0	0	1	0.355868	0.415713	0.534222
FBgn02671	19834946	CR45616	0	0	1	0.355868	0.205215	0.269709
FBgn02671	19835901	asRNA:CR4	0	0	1	0.355868	0.104733	0.137648

FBgn02672	19835757	CR45670	0	0	1	0.355868	0.339105	0.445678
FBgn02672	19835080	asRNA:CR4	0	0	1	0.355868	0.161902	0.212784
FBgn02673	19835595	CR45744	0	0	1	0.355868	0.954148	1.21819
FBgn02676	26067268	CR45941	0	0	1	0.355868	0.724726	0.922414
FBgn02646	14462356	CR43958	0	0	1	0.354326	5.78526	7.29932
FBgn02658	19835327	CR44597	0	0	1	0.349173	2.17725	2.74705
FBgn00534	2768832	CG33469	0	0	1	0.348847	4.35679	5.47904
FBgn02634	12798274	asRNA:CR4	0	0	1	0.348672	0.615851	0.775062
FBgn00440	39151	Ilp3	0	0	1	0.34809	3.4064	4.28231
FBgn02643	14462754	CR43818	0	0	1	0.347151	3.54059	4.44903
FBgn00256	33199	Amnionless	0	0	1	0.34659	1.51298	1.89968
FBgn00421	59184	CG18823	0	0	1	0.345599	1.9177	2.41081
FBgn02637	14462787	CR43669	0	0	1	0.345599	1.51373	1.90297
FBgn02672	19834989	CR45660	0	0	1	0.345599	1.48733	1.86978
FBgn00033	33059	run	0	0	1	0.344372	0.17683	0.223108
FBgn00338	36522	CG6280	0	0	1	0.344372	0.150063	0.189335
FBgn02660	19835873	CR44825	0	0	1	0.344372	1.34983	1.7031
FBgn02637	14462771	CR43682	0	0	1	0.343377	2.41981	3.03524
FBgn02656	19835124	CR44442	0	0	1	0.343377	1.21454	1.52343
FBgn02629	19836167	CR43260	0	0	1	0.342812	1.97443	2.47962
FBgn02657	19835315	CR44559	0	0	1	0.342447	4.7961	6.00595
FBgn00407	50237	CG13230	0	0	1	0.340761	1.31163	1.6549
FBgn02656	19835163	CR44440	0	0	1	0.340761	0.699679	0.878044
FBgn02657	19835528	CR44546	0	0	1	0.340051	13.9033	17.3764
FBgn00516	33957	sens-2	0	0	1	0.339473	0.868956	1.08544
FBgn02657	19834941	CR44526	0	0	1	0.337946	3.0138	3.76667
FBgn02658	19835530	CR44660	0	0	1	0.337946	1.44306	1.80905
FBgn00337	36324	CG8854	0	0	1	0.336104	1.26631	1.5785
FBgn02660	19835371	CR44831	0	0	1	0.33569	1.21256	1.51261
FBgn00380	41493	CG4066	0	0	1	0.333841	0.157366	0.19855
FBgn00500	246428	CG30062	0	0	1	0.333841	0.957276	1.19822
FBgn00852	5740774	CG34214	0	0	1	0.333841	0.517814	0.65333
FBgn02591	7354400	Ir60b	0	0	1	0.333841	0.156745	0.197767
FBgn02612	3772073	CheB74a	0	0	1	0.333841	0.456594	0.576089

FBgn02658	19835447	CR44684	0	0	1	0.333841	0.91098	1.14027
FBgn02671	19834744	CR45579	0	0	1	0.333841	1.15631	1.44735
FBgn02673	19835222	CR45749	0	0	1	0.333841	0.253248	0.319525
FBgn02676	26067290	CR45963	0	0	1	0.333841	1.75826	2.19103
FBgn02638	5740122	CG34334	0	0	1	0.332884	1.25108	1.55562
FBgn00385	42141	CG17803	0	0	1	0.330823	2.27373	2.82175
FBgn00356	38619	CG4835	0	0	1	0.330333	0.699818	0.868876
FBgn00353	38299	CG13801	0	0	1	0.328901	1.74933	2.16872
FBgn00864	35196	l(2)37Cg	0	0	1	0.328901	4.92868	6.11028
FBgn00396	43432	CG11843	0	0	1	0.327299	1.52334	1.88854
FBgn02643	14462589	CR43830	0	0	1	0.327299	0.823899	1.02869
FBgn02638	14462651	CR43719	0	0	1	0.325494	1.33554	1.65626
FBgn02653	19835856	CR44283	0	0	1	0.325494	4.26548	5.2796
FBgn00100	48337	GstD4	0	0	1	0.324159	0.843786	1.04848
FBgn02674	26067157	asRNA:CR4	0	0	1	0.324159	0.729136	0.906018
FBgn00535	3346149	upd3	0	0	1	0.323839	2.07829	2.56692
FBgn00346	37456	twz	0	0	1	0.322568	1.68372	2.07772
FBgn00407	50198	CG13946	0	0	1	0.321775	10.6843	13.178
FBgn02637	14462860	CG43678	0	0	1	0.321652	5.52623	6.82493
FBgn00384	41990	CG14881	0	0	1	0.321534	4.27388	5.27034
FBgn02648	14462634	asRNA:CR4	0	0	1	0.320501	4.51128	5.56107
FBgn00384	42001	Gyc89Da	0	0	1	0.319604	1.03689	1.27778
FBgn00335	36190	CG13223	0	0	1	0.319342	1.55616	1.91715
FBgn00389	42581	CG6678	0	0	1	0.318715	1.14434	1.40886
FBgn00026	43156	E(spl)m3-H	0	0	1	0.3179	3.26008	4.01022
FBgn00321	34345	CG13135	0	0	1	0.315226	0.216225	0.272813
FBgn00330	35516	Or42b	0	0	1	0.315226	0.115861	0.146183
FBgn00335	36188	Cpr47Ea	0	0	1	0.315226	0.167712	0.211603
FBgn00335	36189	Cpr47Eb	0	0	1	0.315226	0.374385	0.465208
FBgn00355	38511	Cpr64Ad	0	0	1	0.315226	0.144675	0.182538
FBgn00366	39868	CG13026	0	0	1	0.315226	0.0971579	0.122585
FBgn00370	40365	CG12971	0	0	1	0.315226	0.315658	0.392234
FBgn00372	5740279	TwdlU	0	0	1	0.315226	0.129453	0.163332
FBgn00386	42212	CG14309	0	0	1	0.315226	0.0416142	0.052505

FBgn00386	42222	CG10864	0	0	1	0.315226	0.949581	1.16795
FBgn00388	42474	TotB	0	0	1	0.315226	1.21588	1.50073
FBgn00409	50458	CG4440	0	0	1	0.315226	0.258426	0.326058
FBgn00522	3772569	CG32269	0	0	1	0.315226	0.0682538	0.086116
FBgn00522	3772375	CG32270	0	0	1	0.315226	0.0682538	0.086116
FBgn00642	2769007	Rdh	0	0	1	0.315226	0.695165	0.863806
FBgn00829	5740645	snoRNA:M	0	0	1	0.315226	1.6751	2.11348
FBgn00829	5740332	snoRNA:Psi	0	0	1	0.315226	0.933107	1.17731
FBgn02634	12798083	scaRNA:Psi	0	0	1	0.315226	2.97303	3.67755
FBgn02656	19835030	CR44447	0	0	1	0.315226	0.231336	0.291879
FBgn02656	19834737	CR44484	0	0	1	0.315226	2.13331	2.62974
FBgn02658	19834788	CR44651	0	0	1	0.315226	1.48739	1.82894
FBgn02658	19835440	CR44668	0	0	1	0.315226	0.279744	0.352956
FBgn02659	19835266	CR44698	0	0	1	0.315226	0.385133	0.485925
FBgn02660	19835166	CR44799	0	0	1	0.315226	0.341604	0.431005
FBgn02666	19835654	CR45169	0	0	1	0.315226	0.257468	0.32485
FBgn02667	19836019	CR45236	0	0	1	0.315226	0.573869	0.713086
FBgn02667	19835402	CR45241	0	0	1	0.315226	0.790368	0.982105
FBgn02675	26067215	CR45887	0	0	1	0.315226	1.67861	2.07188
FBgn02675	26067225	CR45897	0	0	1	0.315226	0.2169	0.273665
FBgn02754	26067575	CR46265	0	0	1	0.315226	0.369768	0.46654
FBgn00383	41914	CG4576	0	0	1	0.31386	1.71434	2.10291
FBgn00379	41451	CG10005	0	0	1	0.311474	1.28228	1.57293
FBgn00534	2768833	CG33468	0	0	1	0.311013	4.44356	5.44271
FBgn02607	32152	wisp	0	0	1	0.311013	0.250886	0.307753
FBgn00356	38640	Sse	0	0	1	0.310425	1.0857	1.32954
FBgn02634	12797865	asRNA:CR4	0	0	1	0.310425	7.75681	9.49113
FBgn00136	19893534	mt:tRNA:Le	0	0	1	0.309645	30.7558	37.6531
FBgn00359	39022	CG13313	0	0	1	0.309645	0.718104	0.88087
FBgn00651	3771829	snmRNA:12	0	0	1	0.309645	15.8895	19.491
FBgn02671	19835927	CR45566	0	0	1	0.308562	7.95398	9.72284
FBgn00318	33972	ihog	0	0	1	0.308001	1.20529	1.47253
FBgn00322	34381	CG13138	0	0	1	0.306958	0.340837	0.418091
FBgn00338	36467	GstE14	0	0	1	0.306958	1.35171	1.65325

FBgn02629	12798106	CG43288	0	0	1	0.306958	3.98398	4.87275
FBgn02663	19835948	CR44973	0	0	1	0.306958	1.43518	1.76048
FBgn02670	19835470	CR45482	0	0	1	0.306958	0.414766	0.508777
FBgn02834	26067079	solo	0	0	1	0.306958	0.199987	0.245317
FBgn00053	45994	fs(1)M3	0	0	1	0.30654	0.576657	0.703937
FBgn00527	318215	CG32797	0	0	1	0.306237	2.03099	2.48086
FBgn02675	26067194	CR45866	0	0	1	0.305827	2.30827	2.82206
FBgn02621	10178853	CG42866	0	0	1	0.305494	11.6608	14.2192
FBgn00867	32999	amn	0	0	1	0.305378	0.436127	0.532514
FBgn02621	19835116	CR42868	0	0	1	0.305378	5.11575	6.24638
FBgn00317	33831	CG13992	0	0	1	0.304337	0.216394	0.265442
FBgn00357	38840	Cyp316a1	0	0	1	0.304337	0.707109	0.864034
FBgn00531	246659	CheA29a	0	0	1	0.304337	0.729619	0.894995
FBgn02668	19835096	CR45331	0	0	1	0.304337	0.937301	1.14975
FBgn02653	19834825	CR44310	0	0	1	0.303051	1.0501	1.28075
FBgn00390	42685	CG13842	0	0	1	0.301929	1.19933	1.45949
FBgn00003	35724	cn	0	0	1	0.30142	0.683514	0.832995
FBgn02651	14462480	asRNA:CR4	0	0	1	0.300942	1.80316	2.19523
FBgn02675	26067260	CR45933	0	0	1	0.300429	3.11885	3.79284
FBgn02616	10178862	CG42714	0	0	1	0.299734	13.1326	15.9472
FBgn00297	31386	CG11436	0	0	1	0.299708	3.14844	3.82301
FBgn00357	38849	CG14837	0	0	1	0.299284	0.129033	0.15828
FBgn00397	43625	PH4alphaN	0	0	1	0.299284	0.192101	0.235643
FBgn00530	14462581	CR33013	0	0	1	0.299284	0.400854	0.488015
FBgn00852	37526	CG34205	0	0	1	0.299284	0.72413	0.883186
FBgn02676	26067344	CR46023	0	0	1	0.299284	1.8178	2.20991
FBgn02677	19835232	CR45232	0	0	1	0.299284	0.0360851	0.044264
FBgn00500	36371	s-cup	0	0	1	0.298808	2.55912	3.10571
FBgn00312	33213	CG13690	0	0	1	0.297192	1.02649	1.24717
FBgn00856	5740411	CG41562	0	0	1	0.297192	1.94906	2.36807
FBgn00355	38538	CG11342	0	0	1	0.296706	3.19848	3.878
FBgn02662	19835263	CG44954	0	0	1	0.296367	1.1526	1.40123
FBgn02676	26067306	CR45979	0	0	1	0.296367	2.19082	2.65786
FBgn02677	36284	otk2	0	0	1	0.296367	1.38468	1.67872

FBgn00331	35626	Tsp42Ep	0	0	1	0.295326	0.69228	0.839084
FBgn02435	33520	cnir	0	0	1	0.295326	4.62911	5.60562
FBgn00037	34376	trk	0	0	1	0.294467	1.22954	1.49166
FBgn00299	31727	CG2256	0	0	1	0.294467	0.461017	0.561259
FBgn00354	38453	Gr63a	0	0	1	0.294467	0.359405	0.437553
FBgn00403	31063	CG14627	0	0	1	0.294467	0.302592	0.368387
FBgn02618	10178968	CG42781	0	0	1	0.294467	4.20332	5.09939
FBgn02676	26067334	CR46013	0	0	1	0.294467	1.04206	1.26865
FBgn02659	19835184	CR44710	0	0	1	0.293132	1.20443	1.45907
FBgn00530	39941	CG33051	0	0	1	0.292973	6.45855	7.80725
FBgn02679	26067565	asRNA:CR4	0	0	1	0.292973	7.48984	9.05389
FBgn00289	34916	CG15253	0	0	1	0.292142	0.767485	0.931099
FBgn00316	33696	CG2837	0	0	1	0.292142	1.71911	2.07864
FBgn00336	36193	Cpr47Ee	0	0	1	0.292142	2.68837	3.2485
FBgn02669	19835456	CR45378	0	0	1	0.290773	0.734094	0.88879
FBgn00296	31276	CG14419	0	0	1	0.28987	3.08962	3.72976
FBgn00366	39896	CG13022	0	0	1	0.28987	3.6153	4.36436
FBgn00512	326127	CG31223	0	0	1	0.28987	4.46657	5.38688
FBgn02668	19835361	CR45334	0	0	1	0.289525	1.73176	2.0898
FBgn02669	19835043	CR45436	0	0	1	0.289525	4.89396	5.90577
FBgn00323	34591	CG14937	0	0	1	0.288558	2.02103	2.43638
FBgn00313	33307	Tgt	0	0	1	0.288384	3.28494	3.95794
FBgn00512	318653	CG31269	0	0	1	0.288384	1.81025	2.18416
FBgn02599	3772557	Uhg3	0	0	1	0.288384	6.15337	7.41404
FBgn02609	8674006	CG42591	0	0	1	0.28809	3.72214	4.48907
FBgn00242	45039	Sox100B	0	0	1	0.287964	1.9542	2.35433
FBgn02650	14462756	CR44197	0	0	1	0.287102	4.04059	4.86631
FBgn00351	38089	CG13896	0	0	1	0.287053	6.14927	7.40129
FBgn00011	39615	gnu	0	0	1	0.285478	0.180758	0.221729
FBgn00048	43253	RYa-R	0	0	1	0.285478	0.410697	0.495319
FBgn00305	32413	CG9522	0	0	1	0.285478	0.0761477	0.093407
FBgn00333	35902	CG8213	0	0	1	0.285478	0.289085	0.348001
FBgn00374	40763	Osi9	0	0	1	0.285478	0.265798	0.322461
FBgn00454	117467	mthl11	0	0	1	0.285478	0.341185	0.41254

FBgn00512	318646	CG31253	0	0	1	0.285478	0.135863	0.166658
FBgn00520	39188	CG32055	0	0	1	0.285478	0.589049	0.71042
FBgn00532	2768906	Ste:CG332	0	0	1	0.285478	0.274859	0.337159
FBgn00650	3772525	scaRNA:Me	0	0	1	0.285478	3.40489	4.17664
FBgn00829	5740669	snoRNA:M	0	0	1	0.285478	7.31752	8.84789
FBgn00860	5740538	snoRNA:M	0	0	1	0.285478	2.11189	2.59058
FBgn00866	3772323	snoRNA:Psi	0	0	1	0.285478	1.18326	1.45146
FBgn02612	50092	CheB98a	0	0	1	0.285478	0.810688	0.980233
FBgn02621	32718	f	0	0	1	0.285478	0.0393304	0.047715
FBgn02628	12798437	CG43219	0	0	1	0.285478	1.12899	1.3629
FBgn02630	19835083	CR43353	0	0	1	0.285478	1.10344	1.33421
FBgn02651	14462469	asRNA:CR4	0	0	1	0.285478	0.896987	1.08113
FBgn02657	19835170	CR44587	0	0	1	0.285478	0.881103	1.06265
FBgn02658	19835198	CR44640	0	0	1	0.285478	1.1803	1.4235
FBgn02660	19834950	CR44781	0	0	1	0.285478	0.369996	0.448872
FBgn02666	19835039	CR45183	0	0	1	0.285478	0.815442	0.985982
FBgn02668	19835265	CR45357	0	0	1	0.285478	1.3957	1.69323
FBgn02669	19834765	CR45430	0	0	1	0.285478	3.23751	3.89568
FBgn02672	19835142	CR45693	0	0	1	0.285478	0.0768492	0.094268
FBgn02676	26067336	CR46015	0	0	1	0.285478	0.340489	0.417664
FBgn02676	26067352	asRNA:CR4	0	0	1	0.285478	4.40065	5.29207
FBgn02834	26067585	CR46279	0	0	1	0.285478	0.18579	0.227902
FBgn00000	31252	CG2650	0	0	1	0.283355	2.30578	2.77069
FBgn02662	19835553	CR44943	0	0	1	0.282936	1.00024	1.20191
FBgn02662	19835679	CR44952	0	0	1	0.282936	3.39697	4.08189
FBgn00361	39301	CG7368	0	0	1	0.281867	1.42084	1.70446
FBgn02621	10178781	CG42867	0	0	1	0.281595	5.84065	7.00875
FBgn00346	37431	CG9752	0	0	1	0.281443	4.37628	5.24758
FBgn00538	3772447	His2A:CG3	0	0	1	0.281278	2.36892	2.84656
FBgn02608	8674025	CG42579	0	0	1	0.281278	2.82779	3.39795
FBgn02661	19835652	asRNA:CR4	0	0	1	0.281278	1.59111	1.91192
FBgn02677	26067438	CR46122	0	0	1	0.281278	1.2962	1.55755
FBgn00533	2768918	Cpr31A	0	0	1	0.28046	0.791888	0.951554
FBgn00133	33238	Ptth	0	0	1	0.279488	4.43722	5.31337

FBgn02671	19835773	CR45630	0	0	1	0.279246	1.6672	2.00336
FBgn00401	33242	lectin-21Cb	0	0	1	0.27893	4.21405	5.04524
FBgn00466	3772418	RNaseP:RN	0	0	1	0.2787	7.34689	8.80029
FBgn00347	37566	ppk12	0	0	1	0.278389	0.813058	0.97455
FBgn00319	34118	CG8419	0	0	1	0.277539	1.75079	2.09348
FBgn00263	2768728	Or46a	0	0	1	0.277258	0.238342	0.286398
FBgn00407	50203	CG15127	0	0	1	0.277258	2.89652	3.46715
FBgn02656	19835340	CR44498	0	0	1	0.277258	0.277801	0.333814
FBgn02659	19835168	CR44692	0	0	1	0.277258	0.886098	1.06476
FBgn02660	19835092	CR44775	0	0	1	0.277258	0.595248	0.715266
FBgn00398	43655	CG15544	0	0	1	0.276055	0.627614	0.750188
FBgn00392	42988	FBgn00392	0	0	1	0.275697	0.631968	0.756753
FBgn00298	31556	CG14445	0	0	1	0.275163	3.16659	3.78028
FBgn00363	39548	CG17361	0	0	1	0.275037	3.31107	3.95453
FBgn00330	35579	Zip42C.1	0	0	1	0.273406	0.625109	0.747911
FBgn00370	40284	CG13250	0	0	1	0.273406	0.672353	0.807917
FBgn02628	12798438	CG43218	0	0	1	0.273406	1.18239	1.41467
FBgn02657	19836060	CR44544	0	0	1	0.273406	0.769352	0.924475
FBgn02657	19835240	CR44561	0	0	1	0.273406	1.17379	1.40437
FBgn02667	19835745	CR45250	0	0	1	0.273406	3.56703	4.26188
FBgn02668	19835743	CR45320	0	0	1	0.273406	0.559328	0.672104
FBgn02655	19835040	CR44418	0	0	1	0.272701	8.88626	10.589
FBgn00306	32489	CG15643	0	0	1	0.272539	1.59411	1.90072
FBgn02663	19836107	asRNA:CR4	0	0	1	0.272539	1.40481	1.67501
FBgn00004	39570	D	0	0	1	0.272383	2.34959	2.79913
FBgn00391	42879	CG17786	0	0	1	0.271803	0.353704	0.421955
FBgn00510	43058	CG31097	0	0	1	0.271636	2.69217	3.20671
FBgn00331	35625	Tsp42Eo	0	0	1	0.271171	1.1573	1.38125
FBgn00343	37172	CG15097	0	0	1	0.270782	2.22729	2.65044
FBgn00013	45884	kkv	0	0	1	0.27062	0.887704	1.05643
FBgn00175	41296	Mcm5	0	0	1	0.270074	1.72374	2.05085
FBgn00365	39783	CG4950	0	0	1	0.269918	3.14591	3.74128
FBgn00364	39633	CG18581	0	0	1	0.269711	0.926886	1.10744
FBgn00384	42007	Gr89a	0	0	1	0.269711	0.561749	0.671178

FBgn00403	31218	CG14050	0	0	1	0.269711	0.903463	1.07658
FBgn00000	35188	amd	0	0	1	0.268405	1.05025	1.24886
FBgn00300	31764	Corp	0	0	1	0.268405	1.92085	2.2841
FBgn00866	40642	hd	0	0	1	0.26792	0.369932	0.440817
FBgn02655	19834878	CR44377	0	0	1	0.26792	0.362537	0.432004
FBgn00313	33398	CG10880	0	0	1	0.267512	4.34951	5.16474
FBgn00535	3346224	CG33510	0	0	1	0.267164	1.9177	2.27768
FBgn02666	19836121	asRNA:CR4	0	0	1	0.266863	1.57006	1.86801
FBgn00040	34009	FBgn00040	0	0	1	0.266481	0.809716	0.96153
FBgn00309	32833	CG15046	0	0	1	0.266481	1.3008	1.54469
FBgn00305	32344	CG10993	0	0	1	0.266165	3.6168	4.29347
FBgn00342	37020	PIG-A	0	0	1	0.266165	2.77769	3.29535
FBgn00522	10178829	CR32218	0	0	1	0.266165	4.42163	5.24567
FBgn00383	41895	AOX2	0	0	1	0.265898	0.711004	0.843788
FBgn00034	45360	shu	0	0	1	0.265014	1.14903	1.36345
FBgn02618	10178823	CG42778	0	0	1	0.264688	8.16386	9.67614
FBgn00398	43714	CG11333	0	0	1	0.264061	9.52813	11.2857
FBgn00396	43488	Obp99a	0	0	1	0.263981	11.8976	14.091
FBgn02665	19835836	asRNA:CR4	0	0	1	0.26382	2.63987	3.1272
FBgn00030	31789	otu	0	0	1	0.262758	0.447182	0.530019
FBgn00327	35161	CG15169	0	0	1	0.262758	1.10026	1.30407
FBgn00348	37732	ItgaPS5	0	0	1	0.262758	0.130059	0.15498
FBgn00354	38386	CG14957	0	0	1	0.262758	7.82266	9.26168
FBgn00376	41119	Or85f	0	0	1	0.262758	0.542452	0.644741
FBgn00384	41978	CG17929	0	0	1	0.262758	1.58181	1.87324
FBgn00388	42450	Cpr92F	0	0	1	0.262758	0.104761	0.125884
FBgn00417	3772337	snRNA:U2::	0	0	1	0.262758	2.17239	2.58865
FBgn00457	38766	bin	0	0	1	0.262758	0.265154	0.315153
FBgn00525	318107	betaNACte:	0	0	1	0.262758	2.73177	3.23506
FBgn00829	5740217	snoRNA:M	0	0	1	0.262758	2.13897	2.57024
FBgn00829	5740401	snoRNA:Psi	0	0	1	0.262758	1.25578	1.50898
FBgn02629	12797934	CR43280	0	0	1	0.262758	2.63485	3.12
FBgn02634	12798389	asRNA:CR4	0	0	1	0.262758	0.227356	0.270227
FBgn02636	12798229	CR43635	0	0	1	0.262758	0.283328	0.340454

FBgn02647	14462526	CR44022	0	0	1	0.262758	0.834198	0.994041
FBgn02648	14462475	CG44040	0	0	1	0.262758	0.619892	0.744879
FBgn02663	19835933	CR44997	0	0	1	0.262758	0.221693	0.266392
FBgn02668	19835038	CR45285	0	0	1	0.262758	1.42355	1.69632
FBgn02672	19835202	CR45644	0	0	1	0.262758	0.842624	1.01252
FBgn02672	19836018	CR45662	0	0	1	0.262758	0.424991	0.510681
FBgn02674	26067141	CR45811	0	0	1	0.262758	1.3954	1.65389
FBgn00400	37590	Ugt58Fa	0	0	1	0.261928	2.8642	3.38792
FBgn02679	26067573	asRNA:CR4	0	0	1	0.261892	2.81122	3.32525
FBgn00354	38423	Ids	0	0	1	0.261588	2.31155	2.73422
FBgn00314	33425	PIG-Wa	0	0	1	0.261433	2.23496	2.64362
FBgn00039	36421	vg	0	0	1	0.259652	1.23656	1.46056
FBgn00369	40182	CG17732	0	0	1	0.259483	0.562459	0.665306
FBgn00437	31572	CG12219	0	0	1	0.259483	3.36214	3.96967
FBgn02626	26067097	CR43132	0	0	1	0.259483	6.30196	7.44575
FBgn02621	10178813	CR42858	0	0	1	0.258843	1.63568	1.93477
FBgn00397	43578	CG15526	0	0	1	0.258419	10.8573	12.8103
FBgn00308	32738	CG8326	0	0	1	0.258142	6.88544	8.12125
FBgn00350	37957	CG3880	0	0	1	0.257893	0.61324	0.725372
FBgn00055	39564	FBgn00055	0	0	1	0.257578	1.7309	2.04096
FBgn00854	5740168	CG34456	0	0	1	0.256953	3.63659	4.28989
FBgn00403	30970	CG3038	0	0	1	0.256658	2.37521	2.79958
FBgn02634	12798560	scaRNA:Me	0	0	1	0.256332	5.33886	6.31509
FBgn00319	34077	spz3	0	0	1	0.255772	1.99397	2.34854
FBgn00337	36379	Ak6	0	0	1	0.255716	9.77728	11.5137
FBgn00407	50196	CG5011	0	0	1	0.25497	11.426	13.4488
FBgn00332	35814	CG2121	0	0	1	0.254584	1.54408	1.81774
FBgn00839	4379900	dunk	0	0	1	0.253298	0.498773	0.589974
FBgn02659	19835157	asRNA:CR4	0	0	1	0.253298	1.48539	1.74919
FBgn02660	19835696	CR44830	0	0	1	0.253298	0.281052	0.332443
FBgn00394	43267	CG6066	0	0	1	0.252829	5.77219	6.78302
FBgn00107	42300	sqz	0	0	1	0.251823	0.870556	1.02301
FBgn00227	35686	Orc1	0	0	1	0.251823	0.899832	1.05741
FBgn02666	19835006	CR45155	0	0	1	0.251531	3.84319	4.51621

FBgn02834	26067080	vas	0	0	1	0.251531	3.12748	3.67216
FBgn00358	38917	CG8005	0	0	1	0.251095	4.66842	5.48036
FBgn00317	33846	CG9117	0	0	1	0.250898	2.88501	3.38834
FBgn00318	33895	CG13982	0	0	1	0.250375	1.63073	1.9137
FBgn00854	5740743	CG34436	0	0	1	0.250375	1.66253	1.95367
FBgn02668	19834803	CR45274	0	0	1	0.250375	5.33942	6.27017
FBgn02677	26067424	asRNA:CR4	0	0	1	0.249559	1.33046	1.56208
FBgn00304	32281	CG1764	0	0	1	0.249278	3.5305	4.1391
FBgn00299	31696	Nek2	0	0	1	0.248953	0.366301	0.430448
FBgn00501	246465	CG30114	0	0	1	0.248953	0.772405	0.907669
FBgn00540	3885619	CG34011	0	0	1	0.248953	0.867361	1.01925
FBgn00466	3355180	Ppr-Y	0	0	1	0.248484	3.83763	4.49661
FBgn00230	35404	dimm	0	0	1	0.248112	0.362878	0.425904
FBgn00349	37801	CG2812	0	0	1	0.248112	2.74918	3.22153
FBgn00468	40747	Obp83ef	0	0	1	0.247903	4.32067	5.06204
FBgn00324	34682	CG15484	0	0	1	0.247161	3.74612	4.38708
FBgn00333	35889	Spt	0	0	1	0.247161	1.61407	1.89023
FBgn00345	37343	CG13437	0	0	1	0.247161	4.37367	5.122
FBgn00395	43326	CG12883	0	0	1	0.24613	6.32486	7.39899
FBgn00041	37890	bs	0	0	1	0.246113	1.96173	2.2945
FBgn00045	2768671	Pxd	0	0	1	0.244836	0.0845828	0.100049
FBgn00301	31924	CG15249	0	0	1	0.244836	0.156217	0.184781
FBgn00306	32499	CG8117	0	0	1	0.244836	1.91396	2.2402
FBgn00332	35711	mRpL52	0	0	1	0.244836	16.5444	19.3338
FBgn00348	37668	CG9876	0	0	1	0.244836	0.160732	0.190122
FBgn00349	37771	CG4763	0	0	1	0.244836	0.21493	0.254231
FBgn00371	40486	CG11370	0	0	1	0.244836	0.168143	0.198888
FBgn00503	246583	CG30383	0	0	1	0.244836	1.52562	1.78567
FBgn00650	3772591	snmRNA:4	0	0	1	0.244836	6.388	7.50667
FBgn00690	2768859	CG33226	0	0	1	0.244836	0.253075	0.29935
FBgn00856	26067093	CR41423	0	0	1	0.244836	0.190947	0.225861
FBgn02604	8674097	CG42525	0	0	1	0.244836	0.494847	0.580328
FBgn02625	12798517	CG43094	0	0	1	0.244836	3.13945	3.67814
FBgn02635	12798440	CR43490	0	0	1	0.244836	1.67217	1.95666

FBgn02647	14462839	CR43974	0	0	1	0.244836	1.43434	1.67947
FBgn02657	19835861	CG44532	0	0	1	0.244836	0.231	0.273238
FBgn02665	19834924	CR45117	0	0	1	0.244836	0.484646	0.573265
FBgn02673	19834999	CR45759	0	0	1	0.244836	0.498773	0.589974
FBgn02631	42695	vret	0	0	1	0.243926	3.77443	4.40808
FBgn00056	37290	PCNA	0	0	1	0.243841	7.51038	8.77095
FBgn00531	326256	CG33107	0	0	1	0.243613	9.19937	10.7411
FBgn00531	326257	CG33108	0	0	1	0.242657	6.67358	7.78754
FBgn00227	33023	Peritrophin	0	0	1	0.241697	0.825393	0.964265
FBgn02636	39774	l(3)72Dn	0	0	1	0.241697	3.84241	4.4805
FBgn02677	26067434	CR46117	0	0	1	0.241697	1.53911	1.79806
FBgn00319	34042	CG7025	0	0	1	0.241356	5.10817	5.95558
FBgn00370	40326	CG10581	0	0	1	0.241113	9.14254	10.6586
FBgn02676	26067286	CR45959	0	0	1	0.240932	1.45078	1.69487
FBgn00830	5740206	snoRNA:Psi	0	0	1	0.240391	14.3518	16.7403
FBgn00265	37407	Hmg-2	0	0	1	0.239675	3.44744	4.01541
FBgn00381	41608	CG11670	0	0	1	0.239675	0.561539	0.656017
FBgn00382	41815	CG6974	0	0	1	0.239675	0.993092	1.16018
FBgn00307	32670	CG13005	0	0	1	0.238684	1.27578	1.48562
FBgn00396	43446	CG11882	0	0	1	0.238264	3.35112	3.89999
FBgn02662	19835915	asRNA:CR4	0	0	1	0.23795	9.93848	11.5612
FBgn00400	53516	lectin-33A	0	0	1	0.237223	0.817841	0.955441
FBgn00532	2768972	CG33271	0	0	1	0.237223	1.02147	1.19333
FBgn00633	3772132	snoRNA:U7	0	0	1	0.237223	6.85642	8.01
FBgn00829	5740298	snoRNA:M	0	0	1	0.237223	6.58577	7.69382
FBgn00854	5740554	CG34448	0	0	1	0.237223	0.977988	1.13945
FBgn02662	19835682	CR44895	0	0	1	0.237223	0.483126	0.564411
FBgn02667	19836203	CR45226	0	0	1	0.237223	0.687492	0.800293
FBgn02670	19835710	CR45484	0	0	1	0.237223	0.219045	0.255899
FBgn02671	19835213	CR45548	0	0	1	0.237223	1.55925	1.82159
FBgn02675	26067244	CR45916	0	0	1	0.237223	0.128404	0.150008
FBgn02679	26067551	CR46240	0	0	1	0.237223	0.765319	0.894083
FBgn00343	37075	CG10914	0	0	1	0.23688	2.69402	3.13147
FBgn00001	34524	aub	0	0	1	0.236606	3.07118	3.5685

FBgn00324	34720	mRF1	0	0	1	0.236424	3.34854	3.89134
FBgn00295	30990	CG3176	0	0	1	0.236325	5.37052	6.24108
FBgn02597	32994	zld	0	0	1	0.23609	0.474587	0.551372
FBgn00396	43422	eIF4E6	0	0	1	0.235958	6.56657	7.62877
FBgn00525	318103	CG32590	0	0	1	0.235791	5.68861	6.60854
FBgn00315	33595	CG2816	0	0	1	0.235186	6.87469	7.9834
FBgn00364	39574	CG7924	0	0	1	0.234852	0.72158	0.839974
FBgn02650	14462770	CR44196	0	0	1	0.234852	2.60214	3.02227
FBgn02666	19835854	CR45128	0	0	1	0.234852	1.0997	1.28013
FBgn02669	19834802	CR45362	0	0	1	0.234852	0.643458	0.749035
FBgn02670	19835485	asRNA:CR4	0	0	1	0.234852	0.53511	0.622908
FBgn00501	37004	CCHa1-R	0	0	1	0.234306	1.72607	2.00296
FBgn00314	33414	CG9967	0	0	1	0.233696	3.02551	3.50904
FBgn02676	26067289	CR45962	0	0	1	0.233696	0.408446	0.474655
FBgn02630	12798164	CR43356	0	0	1	0.233432	7.0354	8.16039
FBgn00227	37027	HLH54F	0	0	1	0.233011	1.23814	1.43742
FBgn00260	31361	dgt4	0	0	1	0.233011	3.68734	4.27528
FBgn02652	19835478	CR44269	0	0	1	0.232558	6.52802	7.56469
FBgn00396	43456	Mesh1	0	0	1	0.231996	6.80005	7.87837
FBgn02654	19835352	asRNA:CR4	0	0	1	0.231996	1.84118	2.13441
FBgn02649	14462438	asRNA:CR4	0	0	1	0.23181	5.53615	6.41616
FBgn00105	46032	Bka	0	0	1	0.230337	7.30015	8.44696
FBgn00339	3771848	Ir51a	0	0	1	0.230337	0.148875	0.173923
FBgn00350	37956	spz6	0	0	1	0.230337	0.151949	0.177514
FBgn00352	38183	CG12003	0	0	1	0.230337	0.600142	0.695722
FBgn00355	38506	CG15005	0	0	1	0.230337	0.304528	0.353311
FBgn00388	42517	Smyd5	0	0	1	0.230337	7.15671	8.27937
FBgn00651	3772671	snmRNA:18	0	0	1	0.230337	15.095	17.5419
FBgn00829	5740708	snoRNA:Psi	0	0	1	0.230337	1.76239	2.05891
FBgn00829	5740209	snoRNA:Psi	0	0	1	0.230337	1.80043	2.10335
FBgn02648	14462455	CG44037	0	0	1	0.230337	1.94787	2.25581
FBgn02655	19835250	CR44371	0	0	1	0.230337	0.312434	0.365
FBgn02659	19835741	CR44741	0	0	1	0.230337	0.646665	0.755465
FBgn02663	19836170	CR45039	0	0	1	0.230337	0.437516	0.511128

FBgn02672	19836101	CG45690	0	0	1	0.230337	0.896987	1.0479
FBgn02674	26067115	CR45777	0	0	1	0.230337	0.379756	0.44365
FBgn02675	26067249	CR45921	0	0	1	0.230337	1.54778	1.79572
FBgn02678	26067446	CR46130	0	0	1	0.230337	2.00884	2.33447
FBgn02675	26067201	asRNA:CR4	0	0	1	0.229684	11.6393	13.4586
FBgn00355	38560	CG11353	0	0	1	0.229632	3.3118	3.82937
FBgn00362	39397	CG5626	0	0	1	0.229438	5.42704	6.27477
FBgn00309	32881	Usp39	0	0	1	0.229005	6.44719	7.45143
FBgn02647	33535	CG44002	0	0	1	0.228717	1.74747	2.02106
FBgn00363	39465	CG14118	0	0	1	0.228488	2.39507	2.76827
FBgn00361	39289	CG7512	0	0	1	0.228185	0.852091	0.9855
FBgn00852	5740699	CG34174	0	0	1	0.227993	4.28685	4.95396
FBgn02676	26067280	CR45953	0	0	1	0.227763	2.22453	2.57281
FBgn02637	14462788	CR43670	0	0	1	0.227658	3.18237	3.67513
FBgn00302	32018	CG2157	0	0	1	0.227483	7.61635	8.79425
FBgn00348	37708	CG3520	0	0	1	0.227438	2.20223	2.54262
FBgn02597	7354436	CG42395	0	0	1	0.227284	6.99249	8.07354
FBgn02673	19835268	CR45758	0	0	1	0.227134	1.50509	1.74074
FBgn00317	33771	CG14020	0	0	1	0.226926	7.03761	8.12259
FBgn00148	40973	Mcm2	0	0	1	0.226851	2.1589	2.49186
FBgn00510	10178907	CR31084	0	0	1	0.226416	7.67277	8.85587
FBgn00405	3354995	CG17169	0	0	1	0.2261	8.04927	9.28754
FBgn00855	5740386	CG40813	0	0	1	0.2261	2.64206	3.05116
FBgn00860	5740250	snoRNA:M	0	0	1	0.2261	20.1929	23.3196
FBgn02662	19836047	CR44934	0	0	1	0.2261	1.1538	1.33445
FBgn00358	38924	CG7213	0	0	1	0.225728	1.93482	2.23234
FBgn00354	38381	Asciz	0	0	1	0.225547	5.31964	6.13353
FBgn00355	38579	CG7509	0	0	1	0.225284	0.724278	0.836182
FBgn00333	35894	CG13749	0	0	1	0.224745	2.88296	3.32455
FBgn02675	26067188	28SrRNA-P	0	0	1	0.224317	20.3292	23.422
FBgn00364	39641	Or71a	0	0	1	0.224078	0.388089	0.448851
FBgn02650	14462644	CR44185	0	0	1	0.224078	0.764968	0.884736
FBgn02661	19835697	CR44874	0	0	1	0.224078	2.48701	2.86694
FBgn02661	19836216	CR44889	0	0	1	0.224078	0.668428	0.773081

FBgn00286	38796	mRpL50	0	0	1	0.223595	14.637	16.8535
FBgn00348	37715	Or59b	0	0	1	0.223582	4.67462	5.38311
FBgn00504	246600	CG30411	0	0	1	0.223582	5.66472	6.52326
FBgn00306	32500	CG8119	0	0	1	0.223483	7.94474	9.14884
FBgn00386	42259	CG14298	0	0	1	0.22323	2.31986	2.67305
FBgn00285	34941	CG4793	0	0	1	0.222894	0.510573	0.588447
FBgn00331	35610	CG17002	0	0	1	0.222116	1.01731	1.1715
FBgn00333	35909	Ance-4	0	0	1	0.22202	5.89921	6.78497
FBgn00037	35717	tor	0	0	1	0.221992	2.93075	3.37093
FBgn00301	31898	CG15317	0	0	1	0.221663	6.1006	7.01676
FBgn00357	38799	MED4	0	0	1	0.221348	4.72801	5.43718
FBgn02654	19834997	CR44347	0	0	1	0.221157	0.602619	0.693952
FBgn02671	19835247	CR45562	0	0	1	0.221157	1.24907	1.43837
FBgn00256	31176	CG4045	0	0	1	0.221043	8.07385	9.28093
FBgn02648	14462506	asRNA:CR4	0	0	1	0.220786	5.8453	6.71818
FBgn00299	31632	CG14434	0	0	1	0.220589	2.97071	3.41448
FBgn00034	42162	sr	0	0	1	0.220213	1.11048	1.2757
FBgn00853	5740413	CG34295	0	0	1	0.219806	7.98597	9.17224
FBgn00363	39516	CG10738	0	0	1	0.219745	0.466973	0.536659
FBgn00375	40992	CG7443	0	0	1	0.219467	4.87518	5.6005
FBgn02677	26067410	asRNA:CR4	0	0	1	0.219366	3.42191	3.93045
FBgn00103	38428	CycJ	0	0	1	0.218364	1.42984	1.64183
FBgn00152	41703	Orc2	0	0	1	0.218364	1.51926	1.74393
FBgn00289	44786	nerfin-1	0	0	1	0.218364	0.0866789	0.10025
FBgn00369	40255	zye	0	0	1	0.218364	0.518086	0.594627
FBgn00374	40759	Osi5	0	0	1	0.218364	3.39789	3.90039
FBgn00523	317966	obst-I	0	0	1	0.218364	0.796642	0.91738
FBgn02604	37454	CG30283	0	0	1	0.218364	0.33828	0.391243
FBgn02629	12797948	CR43279	0	0	1	0.218364	9.90768	11.3676
FBgn02648	19836110	CR44032	0	0	1	0.218364	2.33518	2.6819
FBgn02655	19835580	CR44423	0	0	1	0.218364	0.825938	0.951117
FBgn02656	19835637	CR44465	0	0	1	0.218364	1.16555	1.34219
FBgn02656	19835221	CR44504	0	0	1	0.218364	0.126221	0.145983
FBgn02657	19835019	CR44522	0	0	1	0.218364	0.709352	0.820412

FBgn02661	19835034	CR44848	0	0	1	0.218364	0.436524	0.504869
FBgn02670	19835646	asRNA:CR4	0	0	1	0.218364	4.2744	4.90497
FBgn00356	38637	Eaf6	0	0	1	0.218053	12.3907	14.2122
FBgn00341	36820	CG7747	0	0	1	0.217244	5.26292	6.03348
FBgn00361	39219	Blos4	0	0	1	0.217244	8.50087	9.7455
FBgn00362	39383	Atg12	0	0	1	0.217194	24.3085	27.8651
FBgn00312	33228	nAChRbeta	0	0	1	0.216822	2.81333	3.22518
FBgn00338	36537	CG6553	0	0	1	0.216822	1.86996	2.14486
FBgn00394	43178	CG6142	0	0	1	0.216569	0.849252	0.974099
FBgn02647	14462682	CR44003	0	0	1	0.216216	0.894887	1.02644
FBgn02666	19835838	asRNA:CR4	0	0	1	0.216216	1.65232	1.8938
FBgn00392	43007	CG11836	0	0	1	0.215844	3.86768	4.43042
FBgn02677	26067426	asRNA:CR4	0	0	1	0.215844	6.038	6.91652
FBgn00538	3772351	His2A:CG33	0	0	1	0.21569	2.48172	2.84656
FBgn00155	37364	otp	0	0	1	0.215536	3.15383	3.61116
FBgn00368	40042	MED11	0	0	1	0.215516	13.1428	15.0488
FBgn00313	33341	CG14352	0	0	1	0.215377	7.58607	8.6858
FBgn00535	3346176	U3-55K	0	0	1	0.215169	3.70206	4.23843
FBgn00137	19893557	mt:tRNA:Se	0	0	1	0.214824	13.9033	15.9472
FBgn02675	26067241	CR45913	0	0	1	0.214824	0.375919	0.431182
FBgn02597	7354430	CG42392	0	0	1	0.21414	4.9096	5.61889
FBgn00346	37482	LBR	0	0	1	0.213463	3.27192	3.74107
FBgn02633	12798003	asRNA:CR4	0	0	1	0.213128	1.75744	2.01206
FBgn02650	19835461	CR44171	0	0	1	0.213128	1.56217	1.7885
FBgn00392	42968	CG7016	0	0	1	0.213005	10.1842	11.64
FBgn02647	14462435	asRNA:CR4	0	0	1	0.212864	10.6535	12.1776
FBgn00352	38200	CG13919	0	0	1	0.212794	9.25093	10.5749
FBgn00335	36087	CG12909	0	0	1	0.212711	7.44386	8.50723
FBgn00159	35679	dpa	0	0	1	0.211557	4.31903	4.93146
FBgn00248	31124	b6	0	0	1	0.211478	0.441993	0.505727
FBgn00349	37813	CG13566	0	0	1	0.211478	1.031	1.17966
FBgn00369	40209	obst-F	0	0	1	0.211478	0.8844	1.01193
FBgn02643	14462679	CR43821	0	0	1	0.211478	3.91562	4.47498
FBgn00857	5740727	CR40639	0	0	1	0.211082	24.2611	27.6921

FBgn00308	32731	ppk23	0	0	1	0.210403	1.32173	1.50881
FBgn02671	19835729	CR45585	0	0	1	0.21037	13.8848	15.8413
FBgn02648	14462514	asRNA:CR4	0	0	1	0.209647	10.6093	12.0994
FBgn00336	36260	Sobp	0	0	1	0.209478	1.69312	1.93089
FBgn00523	50302	CG32354	0	0	1	0.209478	1.61656	1.84358
FBgn00338	36457	CG4627	0	0	1	0.208682	8.38701	9.55809
FBgn00041	3771927	snRNA:U2:	0	0	1	0.208311	1.59309	1.82728
FBgn00316	33683	Ir25a	0	0	1	0.208311	1.38762	1.58123
FBgn00362	39346	CG5897	0	0	1	0.208311	0.782112	0.892317
FBgn00500	246432	Obp50a	0	0	1	0.208311	0.420154	0.48192
FBgn00502	37606	CG30259	0	0	1	0.208311	0.172712	0.198102
FBgn02618	10178835	CG42766	0	0	1	0.208311	7.71139	8.78693
FBgn02629	12798105	CR43298	0	0	1	0.208311	0.967951	1.11025
FBgn02643	14462416	CR43838	0	0	1	0.208311	0.307719	0.352956
FBgn02644	14462848	CR43887	0	0	1	0.208311	1.21357	1.38693
FBgn02657	19836227	CR44580	0	0	1	0.208311	0.573869	0.658233
FBgn02663	19836046	CR44977	0	0	1	0.208311	0.473391	0.541016
FBgn02679	26067521	CR46210	0	0	1	0.208311	1.08767	1.24305
FBgn00104	34007	Wnt4	0	0	1	0.207476	1.09013	1.2417
FBgn02656	19835832	CR44480	0	0	1	0.206838	25.9436	29.5267
FBgn00519	319025	CG31915	0	0	1	0.20683	5.02017	5.71329
FBgn00279	3772290	alpha-Est4a	0	0	1	0.20649	2.50156	2.84757
FBgn00340	36789	CG8435	0	0	1	0.206192	8.86517	10.0851
FBgn00318	33975	CG13775	0	0	1	0.206044	2.48957	2.83237
FBgn00538	3772148	His2A:CG3:	0	0	1	0.206044	2.70733	3.08377
FBgn00854	5740505	Lgr4	0	0	1	0.205842	1.25246	1.42497
FBgn00350	37990	CG15861	0	0	1	0.205727	1.51219	1.72089
FBgn02604	246425	CG30059	0	0	1	0.205675	4.85748	5.52419
FBgn00358	38906	CG13676	0	0	1	0.205308	0.567799	0.646065
FBgn00407	50202	CG15126	0	0	1	0.205308	3.56241	4.05774
FBgn00510	318558	CG31019	0	0	1	0.205308	1.54481	1.75714
FBgn00387	42370	Surf6	0	0	1	0.205225	10.4214	11.8471
FBgn00354	38421	CG12010	0	0	1	0.204726	3.04578	3.46171
FBgn00328	35261	Nf-YB	0	0	1	0.204662	10.008	11.3733

FBgn02592	35838	CG42326	0	0	1	0.204479	0.426193	0.484583
FBgn00263	37711	Or59a	0	0	1	0.203865	0.585402	0.666798
FBgn00305	32363	CG11584	0	0	1	0.203865	0.620174	0.705296
FBgn00317	33814	rau	0	0	1	0.203707	4.13175	4.69228
FBgn00343	37092	CG14502	0	0	1	0.20358	1.85841	2.11071
FBgn00323	34528	Art8	0	0	1	0.20356	8.04323	9.13339
FBgn00391	42864	Npc2f	0	0	1	0.203553	20.0348	22.7486
FBgn00404	40579	Dlip2	0	0	1	0.203537	15.0273	17.0627
FBgn00386	42209	Nup43	0	0	1	0.203016	5.76338	6.5426
FBgn00344	37245	Oseg6	0	0	1	0.202458	1.46046	1.65732
FBgn00539	3885637	CG33993	0	0	1	0.202458	0.407786	0.46352
FBgn00839	4379817	RunxA	0	0	1	0.201768	0.287793	0.3268
FBgn00298	31586	CG3342	0	0	1	0.201647	3.51447	3.98602
FBgn02665	19835384	CR45109	0	0	1	0.201358	1.42889	1.6216
FBgn00335	36141	Lsm10	0	0	1	0.201209	7.16929	8.13023
FBgn00539	3885572	CR33963	0	0	1	0.201086	3.63314	4.11958
FBgn00383	41951	CG5013	0	0	1	0.200893	5.1155	5.79923
FBgn02666	19835337	CR45177	0	0	1	0.200749	6.44607	7.30913
FBgn00291	44002	Sras	0	0	1	0.199975	9.91061	11.2253
FBgn00324	34628	CG14947	0	0	1	0.199749	0.322395	0.367222
FBgn00324	34641	Gr33a	0	0	1	0.199749	0.20421	0.232604
FBgn00325	34959	CG13258	0	0	1	0.199749	0.411441	0.468649
FBgn00538	3772594	His-Psi:CR3	0	0	1	0.199749	1.00204	1.14137
FBgn02625	3772206	CheA56a	0	0	1	0.199749	0.61451	0.699953
FBgn02634	12797886	snoRNA:Irb	0	0	1	0.199749	2.22453	2.53383
FBgn02639	42681	cd	0	0	1	0.199749	0.955553	1.08283
FBgn02658	19835930	CR44654	0	0	1	0.199749	0.487835	0.555665
FBgn02668	19835458	CR45314	0	0	1	0.199749	0.910121	1.03247
FBgn02669	19835145	CR45372	0	0	1	0.199749	1.00168	1.13744
FBgn00358	38941	Pex2	0	0	1	0.199344	13.4403	15.2163
FBgn00116	38515	pav	0	0	1	0.199255	1.80348	2.04209
FBgn02637	41483	Su(var)3-9	0	0	1	0.199157	6.08342	6.88639
FBgn02628	12797963	CR43216	0	0	1	0.199142	3.95565	4.47899
FBgn00048	38116	bab1	0	0	1	0.199092	0.812327	0.9198

FBgn00521	39413	CG32104	0	0	1	0.198942	3.76363	4.25978
FBgn00854	5740130	CG34454	0	0	1	0.198678	13.2808	15.0304
FBgn02635	12798114	asRNA:CR4	0	0	1	0.198186	7.87205	8.90628
FBgn02667	19836177	CG45218	0	0	1	0.198186	4.13599	4.68319
FBgn00363	39486	CG11279	0	0	1	0.197732	5.28029	5.97171
FBgn02627	12798550	CG43165	0	0	1	0.19763	7.57886	8.57311
FBgn00396	43433	Sirt7	0	0	1	0.197443	4.46469	5.04803
FBgn02654	19835954	CR44337	0	0	1	0.19717	4.36724	4.94056
FBgn00297	31387	CG3527	0	0	1	0.196734	8.80064	9.94644
FBgn00143	31518	mof	0	0	1	0.196054	3.59807	4.0644
FBgn00155	3772621	snoRNA:M	0	0	1	0.195927	9.90372	11.214
FBgn00296	31326	CG2875	0	0	1	0.195927	6.43853	7.27217
FBgn00305	32421	CG14406	0	0	1	0.195927	2.20952	2.49847
FBgn00313	33300	IntS14	0	0	1	0.195927	2.32564	2.62749
FBgn00382	41757	mRpL11	0	0	1	0.195593	11.2514	12.7063
FBgn00364	39623	CG3349	0	0	1	0.195519	1.39726	1.57838
FBgn02661	19836009	asRNA:CR4	0	0	1	0.195403	12.2057	13.7823
FBgn00028	38905	mus301	0	0	1	0.195281	1.90116	2.14668
FBgn02634	12798543	snoRNA:Tu	0	0	1	0.195195	5.99049	6.76858
FBgn00341	36916	SmydA-7	0	0	1	0.194771	8.33005	9.40081
FBgn00520	39235	CG32069	0	0	1	0.194431	18.1211	20.4491
FBgn02666	19834848	CR45172	0	0	1	0.194117	3.14133	3.54753
FBgn00307	2768882	CG9125	0	0	1	0.193674	4.60305	5.19174
FBgn02615	10178928	CG42655	0	0	1	0.193527	4.39333	4.95725
FBgn00359	38979	CG6638	0	0	1	0.193496	9.38518	10.5823
FBgn02626	37791	DNA-ligI	0	0	1	0.193466	3.05336	3.44319
FBgn00390	42716	CG6688	0	0	1	0.193437	2.79943	3.15715
FBgn02600	8674087	CG42494	0	0	1	0.193235	6.90485	7.78474
FBgn02638	12798401	CR43605	0	0	1	0.192945	5.6846	6.40899
FBgn00312	33205	CG11912	0	0	1	0.1928	6.87423	7.74865
FBgn00335	36137	CG12341	0	0	1	0.192555	13.0438	14.698
FBgn00086	47894	hbn	0	0	1	0.192369	0.417563	0.471557
FBgn00358	38910	mthl7	0	0	1	0.192369	0.244743	0.277123
FBgn00359	38992	CG13305	0	0	1	0.192369	0.265019	0.300081

FBgn00633	3771871	snoRNA:U1	0	0	1	0.192369	4.46279	5.05322
FBgn00829	5740456	snoRNA:Psi	0	0	1	0.192369	5.64495	6.37488
FBgn00829	12798535	snoRNA:Psi	0	0	1	0.192369	2.65798	3.00964
FBgn02613	5740113	Pp1-Y1	0	0	1	0.192369	4.45955	5.02598
FBgn02659	19835820	CR44702	0	0	1	0.192369	0.456421	0.516807
FBgn02659	19835526	CR44720	0	0	1	0.192369	1.24507	1.40607
FBgn02663	19836172	asRNA:CR4	0	0	1	0.192369	12.3651	13.934
FBgn02665	19835569	CG45116	0	0	1	0.192369	1.7141	1.93575
FBgn02667	19835649	asRNA:CR4	0	0	1	0.192369	1.00135	1.13383
FBgn02671	19834940	CR45584	0	0	1	0.192369	0.550206	0.623
FBgn02674	26067156	asRNA:CR4	0	0	1	0.192369	2.33621	2.63608
FBgn02607	31869	mxc	0	0	1	0.191632	2.32279	2.61568
FBgn00370	40377	CG7519	0	0	1	0.190968	16.0965	18.1184
FBgn00286	34350	Sur	0	0	1	0.190808	1.4178	1.59575
FBgn00373	40629	CG1113	0	0	1	0.190681	0.781711	0.880618
FBgn02665	19835372	asRNA:CR4	0	0	1	0.190681	0.718583	0.809502
FBgn00530	326245	CG33052	0	0	1	0.190405	6.8367	7.69271
FBgn00157	37400	ktub	0	0	1	0.190299	2.03893	2.29442
FBgn00633	3771866	snoRNA:U2	0	0	1	0.190131	13.2713	14.9505
FBgn02679	26067566	asRNA:CR4	0	0	1	0.190131	2.07512	2.33584
FBgn00434	192506	CG5986	0	0	1	0.18983	8.75665	9.84879
FBgn00385	42142	CG17806	0	0	1	0.189618	4.20633	4.73077
FBgn02628	19834988	CR43253	0	0	1	0.189341	5.30609	5.96735
FBgn00027	31373	mei-9	0	0	1	0.189049	2.45216	2.75663
FBgn00365	39689	CG12301	0	0	1	0.188617	5.94829	6.68429
FBgn00504	246634	CG30472	0	0	1	0.188557	12.5279	14.0781
FBgn00857	5740665	CR40502	0	0	1	0.188411	13.6221	15.3081
FBgn00354	38486	CG14990	0	0	1	0.188378	14.3702	16.1455
FBgn00314	33422	CG15390	0	0	1	0.188314	5.6571	6.35713
FBgn02664	19835870	CR45055	0	0	1	0.187991	2.35835	2.65262
FBgn02609	38492	RfC4	0	0	1	0.18773	8.68493	9.75415
FBgn00316	33702	CG14044	0	0	1	0.18747	1.22366	1.37531
FBgn02674	26067142	asRNA:CR4	0	0	1	0.18747	5.23892	5.88497
FBgn00403	53446	HGTX	0	0	1	0.187298	1.21781	1.36773

FBgn00410	53558	wun2	0	0	1	0.186809	6.52719	7.32566
FBgn00520	317852	CG32099	0	0	1	0.186492	8.60242	9.6533
FBgn00532	2768867	CG33223	0	0	1	0.186446	8.91109	9.9992
FBgn00532	41899	pxb	0	0	1	0.186374	1.13719	1.27615
FBgn00107	42502	ppan	0	0	1	0.186205	6.45745	7.24479
FBgn00013	47137	knk	0	0	1	0.186137	4.81468	5.40121
FBgn00019	48772	NimC3	0	0	1	0.185943	0.456916	0.514727
FBgn00308	32684	CG13001	0	0	1	0.185943	2.78689	3.12664
FBgn00380	41555	CG11600	0	0	1	0.185943	1.23353	1.38489
FBgn00389	42563	RpI12	0	0	1	0.185943	7.03034	7.88834
FBgn00533	2768678	CG33337	0	0	1	0.185943	1.7518	1.9656
FBgn02662	19835648	asRNA:CR4	0	0	1	0.185943	1.90187	2.13757
FBgn02668	19835878	CR45318	0	0	1	0.185943	0.32441	0.365456
FBgn02670	19835269	CR45504	0	0	1	0.185943	0.286034	0.322225
FBgn00004	36314	SmF	0	0	1	0.185721	24.1149	27.0453
FBgn00314	33493	Prx6005	0	0	1	0.185544	14.5654	16.3331
FBgn00372	40578	slx1	0	0	1	0.185345	3.66197	4.10697
FBgn00243	31083	CG11417	0	0	1	0.185254	4.43097	4.96783
FBgn00104	39491	trn	0	0	1	0.185241	4.23916	4.75256
FBgn00301	31940	CG15312	0	0	1	0.185092	4.74018	5.31359
FBgn00388	42440	PUS1	0	0	1	0.185092	4.00218	4.48719
FBgn00851	5740407	CG34163	0	0	1	0.184756	13.2052	14.8017
FBgn00535	3346223	CG33511	0	0	1	0.184715	9.8036	10.9871
FBgn00353	38282	Oseg2	0	0	1	0.184256	0.559829	0.627488
FBgn00005	41697	ems	0	0	1	0.183981	0.504962	0.566325
FBgn00309	32824	CG15056	0	0	1	0.183662	5.38948	6.03619
FBgn00356	38713	CG13296	0	0	1	0.183031	0.584172	0.65516
FBgn00538	3772081	His2B:CG33	0	0	1	0.183031	2.85076	3.1939
FBgn02604	8673972	CG42531	0	0	1	0.183031	10.0104	11.2073
FBgn02676	26067300	CR45973	0	0	1	0.182719	1.17516	1.3156
FBgn00258	40054	Rad9	0	0	1	0.182471	3.44441	3.85468
FBgn00327	35150	CG10428	0	0	1	0.182365	9.48116	10.6079
FBgn00581	19835766	CR40172	0	0	1	0.182331	4.33713	4.85436
FBgn00360	39120	Or67b	0	0	1	0.182101	1.89869	2.12512

FBgn02677	26067363	asRNA:CR4	0	0	1	0.182101	7.11686	7.96388
FBgn02636	39746	DNApol-de	0	0	1	0.181947	4.55899	5.09939
FBgn00524	326214	vito	0	0	1	0.181838	6.40341	7.1631
FBgn00391	42829	CG13599	0	0	1	0.181491	3.81023	4.26188
FBgn00378	41320	Leash	0	0	1	0.18137	4.13601	4.62452
FBgn00378	41364	mRpL40	0	0	1	0.18137	9.1653	10.2491
FBgn00364	39634	CG12310	0	0	1	0.181318	33.8893	37.8892
FBgn02630	12798309	CG43350	0	0	1	0.181061	25.6439	28.668
FBgn00350	37965	TyrRS-m	0	0	1	0.180868	8.01696	8.9608
FBgn00260	32758	OdsH	0	0	1	0.180296	1.70421	1.90525
FBgn00328	35256	Hakai	0	0	1	0.180296	0.489775	0.548185
FBgn00356	38661	DNApol-ep	0	0	1	0.180296	3.14636	3.516
FBgn00860	5740190	snoRNA:M	0	0	1	0.180296	3.53474	3.96427
FBgn00860	5740381	snoRNA:M	0	0	1	0.180296	10.7751	12.0601
FBgn00860	5740156	snoRNA:M	0	0	1	0.180296	5.87463	6.58851
FBgn02668	19836086	CR45335	0	0	1	0.180296	1.11321	1.24517
FBgn02672	19835380	CR45716	0	0	1	0.180296	0.803659	0.901318
FBgn02676	26067313	CR45991	0	0	1	0.180296	0.785497	0.880949
FBgn00390	42730	CG17109	0	0	1	0.179711	11.7262	13.0957
FBgn00381	41698	Art9	0	0	1	0.17899	1.60326	1.79107
FBgn00333	35908	CG8170	0	0	1	0.178733	1.15415	1.28841
FBgn02674	26067143	asRNA:CR4	0	0	1	0.178563	5.95417	6.64759
FBgn00525	318101	CG32588	0	0	1	0.178489	15.4025	17.1878
FBgn00276	32725	CG8611	0	0	1	0.178303	1.32621	1.47991
FBgn00368	40139	PIG-F	0	0	1	0.178155	12.7615	14.2369
FBgn00209	42015	Scp2	0	0	1	0.177973	14.2392	15.883
FBgn00352	38229	CG2021	0	0	1	0.177556	17.0851	19.0546
FBgn00381	41621	CG14380	0	0	1	0.177544	13.9637	15.5716
FBgn02657	19835317	asRNA:CR4	0	0	1	0.177262	17.0501	19.0097
FBgn00285	34975	CG4455	0	0	1	0.177183	6.93345	7.73007
FBgn00290	43934	gom	0	0	1	0.176898	8.44998	9.41892
FBgn00853	5740537	CG34302	0	0	1	0.176898	3.33679	3.72101
FBgn00106	46066	l(2)05714	0	0	1	0.176687	11.1876	12.4682
FBgn00046	38168	rho	0	0	1	0.176617	4.48613	4.99944

FBgn00389	42560	Burs	0	0	1	0.176491	2.86755	3.19774
FBgn00503	246580	PIG-X	0	0	1	0.176381	8.56303	9.54162
FBgn00284	33635	bdl	0	0	1	0.176116	4.96037	5.52602
FBgn00342	36965	Tes	0	0	1	0.176089	3.61253	4.0245
FBgn00650	2768870	AlkB	0	0	1	0.176027	4.88464	5.44209
FBgn00333	35895	FANCI	0	0	1	0.175889	3.31367	3.69092
FBgn00366	39854	CG4098	0	0	1	0.175889	6.48178	7.22045
FBgn00355	38535	mRpS6	0	0	1	0.17577	7.4387	8.28678
FBgn00518	34490	CG31869	0	0	1	0.175758	4.98501	5.55191
FBgn00392	43035	CG11852	0	0	1	0.175747	9.41965	10.4916
FBgn00325	35002	ChLD3	0	0	1	0.17566	2.68858	2.99464
FBgn00371	26067587	CR7448	0	0	1	0.17566	4.21137	4.69078
FBgn02675	26067190	28SrRNA-P	0	0	1	0.175423	8.69996	9.68715
FBgn00335	36081	CG12911	0	0	1	0.175295	0.271449	0.303246
FBgn00421	59140	CG18744	0	0	1	0.175295	3.51745	3.91717
FBgn02640	42110	Hmx	0	0	1	0.175295	0.131473	0.146874
FBgn02658	19834982	CR44598	0	0	1	0.175295	0.915443	1.02268
FBgn02679	26067522	CR46211	0	0	1	0.175295	0.999787	1.1169
FBgn00514	326141	mRpS18A	0	0	1	0.174972	23.6428	26.3179
FBgn00523	38285	CG32301	0	0	1	0.174789	4.91711	5.47264
FBgn02634	12798375	CR43483	0	0	1	0.174576	13.2185	14.7122
FBgn00367	39979	CG5589	0	0	1	0.174517	2.69903	3.00394
FBgn00235	2768908	CG3857	0	0	1	0.174133	2.44688	2.72258
FBgn00363	39498	CG14107	0	0	1	0.174133	2.04416	2.27571
FBgn00305	32389	betaNACte	0	0	1	0.173905	4.72602	5.25795
FBgn00287	34550	RfC38	0	0	1	0.173616	3.2938	3.66368
FBgn02657	19836049	CR44558	0	0	1	0.173452	3.48596	3.87831
FBgn00305	32351	jub	0	0	1	0.173399	2.79202	3.10476
FBgn00349	37790	DCP1	0	0	1	0.173399	5.42164	6.02894
FBgn00373	40669	Snm1	0	0	1	0.173252	5.04793	5.61242
FBgn00611	246497	HSPC300	0	0	1	0.173252	14.9032	16.5707
FBgn00380	14462452	CG12256	0	0	1	0.173121	9.84383	10.9441
FBgn00295	31126	CG14798	0	0	1	0.173004	2.13659	2.37669
FBgn00341	36895	CG6472	0	0	1	0.173004	0.592	0.659057

FBgn00860	5740611	snoRNA:M	0	0	1	0.173004	11.255	12.5299
FBgn02662	19835176	CR44940	0	0	1	0.173004	1.06347	1.18393
FBgn00517	318907	CG31710	0	0	1	0.172757	5.85891	6.51221
FBgn00354	38410	PIG-C	0	0	1	0.172687	3.07562	3.41932
FBgn00136	19893538	mt:ATPase	0	0	1	0.172561	60.2476	66.9552
FBgn00217	42379	mira	0	0	1	0.172561	0.728228	0.809681
FBgn00368	40035	Sgf11	0	0	1	0.172561	9.14141	10.1597
FBgn00371	40450	CG7130	0	0	1	0.17245	11.1464	12.3869
FBgn00355	38546	CG15021	0	0	1	0.172268	2.86031	3.17871
FBgn00466	318600	Wsck	0	0	1	0.171905	4.08214	4.53444
FBgn02676	26067331	CR46010	0	0	1	0.171905	3.92432	4.3619
FBgn02629	12798063	CR43281	0	0	1	0.171689	5.84708	6.49443
FBgn02644	14462762	CG43850	0	0	1	0.171689	2.03238	2.2583
FBgn00339	36570	mRpS16	0	0	1	0.171545	16.2969	18.0988
FBgn00039	33225	ush	0	0	1	0.17149	1.91984	2.13192
FBgn00309	32851	Nup35	0	0	1	0.171443	2.76062	3.06644
FBgn00634	3772246	Uhg2	0	0	1	0.171443	8.22916	9.14077
FBgn02675	26067261	CR45934	0	0	1	0.171443	3.21643	3.57274
FBgn02608	38085	Vti1a	0	0	1	0.171078	12.7261	14.1274
FBgn00046	33788	GluRIIA	0	0	1	0.17095	5.67586	6.30027
FBgn00341	36814	prim	0	0	1	0.170836	1.03665	1.15407
FBgn00349	37845	CG13563	0	0	1	0.170836	0.222662	0.247884
FBgn00394	43268	CG5880	0	0	1	0.170836	3.58971	3.98505
FBgn00501	246492	Cpr60D	0	0	1	0.170836	3.71032	4.12029
FBgn00857	5740328	CR40959	0	0	1	0.170836	18.2833	20.2936
FBgn02668	19834822	CR45301	0	0	1	0.170836	1.13633	1.26504
FBgn02670	19835459	CR45483	0	0	1	0.170836	0.646665	0.719914
FBgn00300	31834	HP1b	0	0	1	0.170454	6.90814	7.66589
FBgn00858	5740208	CR41613	0	0	1	0.170406	34.0933	37.8295
FBgn02653	19834746	CR44295	0	0	1	0.170312	3.63023	4.02897
FBgn00417	41595	yellow-f	0	0	1	0.170098	5.95165	6.6031
FBgn00040	39673	Z600	0	0	1	0.170001	5.52449	6.13128
FBgn02674	26067134	asRNA:CR4	0	0	1	0.169874	14.8616	16.4848
FBgn00331	35695	CG1360	0	0	1	0.169591	2.88036	3.19488

FBgn00514	326142	CG31457	0	0	1	0.169591	3.77109	4.18287
FBgn00402	38649	Myt1	0	0	1	0.169516	5.76198	6.38983
FBgn00335	36135	CG7637	0	0	1	0.169455	19.271	21.3723
FBgn00512	318624	alpha-Man	0	0	1	0.169455	3.61189	4.00571
FBgn00375	40949	Pbp95	0	0	1	0.169053	7.14847	7.92443
FBgn00341	36825	CG4282	0	0	1	0.168983	4.27615	4.74039
FBgn00403	31222	mRpL14	0	0	1	0.168983	15.6705	17.3718
FBgn00313	33353	CG17652	0	0	1	0.168782	6.8472	7.58978
FBgn00376	41040	CG8159	0	0	1	0.168782	3.85272	4.271
FBgn00276	33648	morgue	0	0	1	0.168713	8.52163	9.44461
FBgn02674	26067051	Pzl	0	0	1	0.168695	1.82092	2.01817
FBgn00504	35496	CG30440	0	0	1	0.168522	3.44049	3.81272
FBgn00395	43356	CG5527	0	0	1	0.16845	2.63131	2.91617
FBgn02509	3355116	Cht10	0	0	1	0.168215	1.9649	2.17698
FBgn00403	31229	boi	0	0	1	0.168021	1.32831	1.47164
FBgn00417	59128	CG15107	0	0	1	0.167935	9.74972	10.8002
FBgn02435	43262	eater	0	0	1	0.167935	1.09508	1.21339
FBgn00327	35160	CG15170	0	0	1	0.167884	3.31802	3.67584
FBgn02636	12798265	CR43632	0	0	1	0.167795	2.92285	3.23927
FBgn00153	35001	glu	0	0	1	0.167738	3.91789	4.33924
FBgn00386	42271	euc	0	0	1	0.167687	9.79351	10.8488
FBgn00001	37973	Dll	0	0	1	0.167601	2.36133	2.61529
FBgn00002	43146	boss	0	0	1	0.167337	6.60787	7.3164
FBgn02655	19834828	CR44420	0	0	1	0.167127	10.6948	11.8415
FBgn00010	40834	ftz	0	0	1	0.166834	0.579957	0.642742
FBgn00140	31781	Sptr	0	0	1	0.166834	11.5313	12.7638
FBgn00347	37540	CG3264	0	0	1	0.166834	0.229385	0.25458
FBgn00402	53506	Ugt86De	0	0	1	0.166834	1.19925	1.32817
FBgn00510	318591	CG31091	0	0	1	0.166834	0.232908	0.258489
FBgn02630	12798456	CR43309	0	0	1	0.166834	0.545227	0.605113
FBgn02632	12798521	CR43387	0	0	1	0.166834	1.18326	1.31322
FBgn02634	12798554	snoRNA:CG	0	0	1	0.166834	4.55241	5.04524
FBgn02663	19835997	CR44985	0	0	1	0.166834	1.8746	2.0805
FBgn00328	35263	CG10628	0	0	1	0.166543	10.9763	12.1469

FBgn00324	34706	kmg	0	0	1	0.16651	7.8456	8.68191
FBgn00355	38597	Gdap1	0	0	1	0.166162	9.3327	10.3252
FBgn02599	35573	Tdc1	0	0	1	0.166013	7.48498	8.28005
FBgn00158	31558	Spx	0	0	1	0.165897	5.19575	5.74765
FBgn00537	3772451	CG33723	0	0	1	0.165897	3.8919	4.3074
FBgn00313	33388	CG11723	0	0	1	0.165873	10.936	12.0963
FBgn00524	318016	CG32409	0	0	1	0.165765	9.1258	10.0938
FBgn00305	32401	CG15890	0	0	1	0.165712	1.9737	2.18328
FBgn00500	246445	Rif1	0	0	1	0.165712	1.15936	1.28247
FBgn00287	34632	Mt2	0	0	1	0.16559	2.87052	3.1756
FBgn00305	32392	CG9411	0	0	1	0.16559	0.430232	0.476165
FBgn02670	19835552	CR45499	0	0	1	0.16559	5.43836	6.01636
FBgn00411	45574	ida	0	0	1	0.165543	5.79689	6.41066
FBgn00348	37701	Ice1	0	0	1	0.16545	4.14923	4.58814
FBgn00003	31208	crn	0	0	1	0.165326	8.54945	9.45297
FBgn00291	34177	FBgn00291	0	0	1	0.164456	4.30879	4.76165
FBgn00134	31186	bcn92	0	0	1	0.164205	28.5501	31.5426
FBgn00335	36134	CG12935	0	0	1	0.164092	10.9604	12.1088
FBgn00334	36068	CG18011	0	0	1	0.164065	5.4377	6.00714
FBgn00384	41986	CG14880	0	0	1	0.16405	4.42937	4.89337
FBgn02662	19835180	asRNA:CR4	0	0	1	0.163916	5.41759	5.9868
FBgn00365	39756	CG13075	0	0	1	0.163873	7.64742	8.4478
FBgn02675	26067255	asRNA:CR4	0	0	1	0.163853	14.5749	16.1013
FBgn02649	14462670	asRNA:CR4	0	0	1	0.163717	5.67649	6.27114
FBgn00331	35683	CG1603	0	0	1	0.16358	6.76376	7.46963
FBgn02667	39016	mfr	0	0	1	0.163527	3.21485	3.55018
FBgn00521	317894	CG32170	0	0	1	0.163355	6.97859	7.70575
FBgn00334	36019	CG1671	0	0	1	0.163223	6.3813	7.0455
FBgn00344	37248	CG15120	0	0	1	0.163223	12.448	13.7439
FBgn00360	39148	Zasp67	0	0	1	0.163223	0.162662	0.180028
FBgn00540	3885640	CG34001	0	0	1	0.163223	3.74228	4.13395
FBgn02620	3885579	CG42821	0	0	1	0.163223	7.38612	8.15751
FBgn02661	19835446	CR44853	0	0	1	0.163223	0.933437	1.03309
FBgn02636	12798097	asRNA:CR4	0	0	1	0.163125	17.4258	19.238

FBgn00278	37011	rdgBbeta	0	0	1	0.163051	8.04822	8.88519
FBgn02651	19834718	sud1	0	0	1	0.162451	6.76129	7.46123
FBgn00305	32317	BthD	0	0	1	0.162374	2.2769	2.51368
FBgn00430	3772329	Chrac-14	0	0	1	0.162374	3.75765	4.14842
FBgn00103	36221	gammaTry	0	0	1	0.162255	14.5899	16.0981
FBgn00392	43020	danr	0	0	1	0.162096	0.910696	1.0054
FBgn02648	14462760	asRNA:CR4	0	0	1	0.161958	9.13164	10.0734
FBgn00337	36336	CG8841	0	0	1	0.161875	6.20547	6.8448
FBgn00297	31385	CG15912	0	0	1	0.161546	3.82027	4.21427
FBgn00323	34610	dgt2	0	0	1	0.161546	8.05743	8.88648
FBgn00384	42061	mRpS11	0	0	1	0.161546	20.2923	22.3786
FBgn02657	19834722	CR44528	0	0	1	0.161437	8.65783	9.54783
FBgn00274	34172	D12	0	0	1	0.16122	2.6344	2.90477
FBgn00332	35821	Cyp4ad1	0	0	1	0.161139	4.80734	5.30037
FBgn00360	39119	CG3335	0	0	1	0.161068	6.6618	7.3441
FBgn00501	246509	CG30187	0	0	1	0.161005	2.12965	2.34839
FBgn00650	3772612	snoRNA:68	0	0	1	0.161005	21.7462	23.9889
FBgn02649	14462418	CR44109	0	0	1	0.161005	1.4879	1.64135
FBgn00306	32524	CG17209	0	0	1	0.160879	4.42263	4.87496
FBgn00117	117419	Irbp	0	0	1	0.160578	10.7526	11.8497
FBgn00349	37762	sona	0	0	1	0.160444	1.97903	2.18089
FBgn00839	4379878	mRpL34	0	0	1	0.16034	14.1159	15.557
FBgn00518	318982	Naa20B	0	0	1	0.160278	9.42758	10.388
FBgn00371	40427	CG7370	0	0	1	0.159948	1.2227	1.34778
FBgn02651	19835609	CR44241	0	0	1	0.159948	2.30783	2.54488
FBgn02655	19835414	CR44397	0	0	1	0.159948	1.62642	1.7928
FBgn02658	19834816	CR44669	0	0	1	0.159948	1.24693	1.37661
FBgn02678	26067459	CR46143	0	0	1	0.159948	0.383275	0.423133
FBgn02679	26067567	CR46257	0	0	1	0.159948	4.69757	5.17813
FBgn00366	39918	CG7724	0	0	1	0.159708	10.7265	11.8142
FBgn00320	34136	CG7840	0	0	1	0.159528	18.7863	20.6881
FBgn00327	35130	Grip71	0	0	1	0.159377	9.82271	10.816
FBgn00392	43009	CG11920	0	0	1	0.159358	12.1997	13.4338
FBgn00328	35297	Taf13	0	0	1	0.159311	31.8802	35.1024

FBgn00317	33862	CG9175	0	0	1	0.159245	6.23574	6.86594
FBgn00364	39629	Reck	0	0	1	0.159212	2.89923	3.19218
FBgn00520	326193	Alg10	0	0	1	0.159125	11.5846	12.7539
FBgn00300	31765	CG15343	0	0	1	0.159067	8.71156	9.5913
FBgn00328	35299	mRpS18B	0	0	1	0.158694	15.1438	16.6679
FBgn00343	37128	GstE11	0	0	1	0.158609	10.0847	11.0993
FBgn00298	31577	CG3847	0	0	1	0.158571	11.1669	12.2892
FBgn00103	35200	pigeon	0	0	1	0.158496	7.15598	7.87474
FBgn00520	326185	CG32054	0	0	1	0.158422	13.4568	14.8077
FBgn02643	14462385	CR43837	0	0	1	0.158422	1.91563	2.10855
FBgn02663	19835859	asRNA:CR4	0	0	1	0.158422	6.48314	7.13605
FBgn02672	19836136	CR45651	0	0	1	0.158422	1.06074	1.1684
FBgn02679	26067515	CR46204	0	0	1	0.158422	0.617597	0.680278
FBgn00306	32463	CG12608	0	0	1	0.158377	12.1998	13.4242
FBgn00383	41830	Mau2	0	0	1	0.158174	3.43917	3.78421
FBgn00315	33553	CG15412	0	0	1	0.158147	8.5672	9.42564
FBgn00296	31316	CG12206	0	0	1	0.158143	7.02289	7.72649
FBgn00528	326240	CG32803	0	0	1	0.158017	14.5946	16.0559
FBgn00394	43174	dysf	0	0	1	0.157928	0.849006	0.934184
FBgn02634	12797891	asRNA:CR4	0	0	1	0.157733	10.4476	11.4918
FBgn00406	50096	Spase12	0	0	1	0.157727	41.6253	45.7821
FBgn00391	42900	Dis3	0	0	1	0.157684	6.06041	6.6654
FBgn00858	5740194	CR42195	0	0	1	0.157539	16.0849	17.6896
FBgn00349	37792	Upf3	0	0	1	0.157423	8.37733	9.21217
FBgn00353	38311	Cyp4d20	0	0	1	0.157142	5.35625	5.88914
FBgn00305	32424	CG9503	0	0	1	0.156964	0.231354	0.254835
FBgn00540	3885665	CG34031	0	0	1	0.156964	0.789106	0.869193
FBgn00540	12797898	CR34044	0	0	1	0.156964	0.488651	0.538245
FBgn02599	8674051	Sfp33A2	0	0	1	0.156964	18.0702	19.8669
FBgn02614	49077	CSN8	0	0	1	0.156964	18.0895	19.8863
FBgn02658	19835593	CR44685	0	0	1	0.156964	0.577014	0.635576
FBgn02672	19834900	asRNA:CR4	0	0	1	0.156964	0.710387	0.782486
FBgn02677	26067418	asRNA:CR4	0	0	1	0.156964	0.662062	0.729255
FBgn00326	35057	CG5131	0	0	1	0.156586	8.75735	9.62496

FBgn00857	5740764	CR40766	0	0	1	0.156559	10.2533	11.269
FBgn02624	12798477	CG43068	0	0	1	0.156433	24.7986	27.2506
FBgn00308	32790	RhoGAP16I	0	0	1	0.156259	3.71424	4.08115
FBgn00330	35528	Strica	0	0	1	0.15608	7.97395	8.7602
FBgn00394	43265	gb	0	0	1	0.155943	7.7774	8.5435
FBgn00242	35207	dnt	0	0	1	0.155867	5.41591	5.94923
FBgn00523	38876	CG32365	0	0	1	0.155843	2.24914	2.47084
FBgn02626	12798134	asRNA:CR4	0	0	1	0.15578	10.825	11.8902
FBgn00342	36939	CG17287	0	0	1	0.155765	4.88136	5.36194
FBgn00365	39736	CG17032	0	0	1	0.155624	10.6627	11.7106
FBgn00158	35922	Vang	0	0	1	0.155528	5.9085	6.48863
FBgn00324	34661	CG5421	0	0	1	0.155297	3.85489	4.23326
FBgn00388	42540	CheB93a	0	0	1	0.155118	2.48075	2.72511
FBgn00403	31246	brv3	0	0	1	0.155028	5.1901	5.69793
FBgn00257	42753	Cdc16	0	0	1	0.154761	6.05046	6.6411
FBgn02655	19835913	CR44383	0	0	1	0.154761	7.46353	8.19456
FBgn00334	36029	CG1441	0	0	1	0.154526	9.19435	10.0902
FBgn00527	318161	CG32708	0	0	1	0.154496	7.41509	8.13835
FBgn00112	42542	lbe	0	0	1	0.154234	0.268663	0.295318
FBgn00340	36801	CG15701	0	0	1	0.154234	0.751529	0.824909
FBgn00633	3772308	snoRNA:U2	0	0	1	0.154234	8.86587	9.7455
FBgn00327	35152	CG10621	0	0	1	0.154071	13.4914	14.8011
FBgn00339	36605	Achl	0	0	1	0.153529	3.19954	3.50891
FBgn00380	41530	CG5245	0	0	1	0.153375	1.18217	1.297
FBgn02677	26067396	CR46079	0	0	1	0.153375	2.43175	2.66797
FBgn00034	31717	sn	0	0	1	0.153278	6.4779	7.1028
FBgn00318	33977	Atac1	0	0	1	0.153206	5.26743	5.77599
FBgn00501	37318	CG30148	0	0	1	0.153206	3.03155	3.32483
FBgn00392	42926	CG13623	0	0	1	0.153183	19.7139	21.6149
FBgn00398	43735	CG11563	0	0	1	0.153038	11.745	12.8767
FBgn00320	34184	CG13097	0	0	1	0.152954	7.24382	7.94092
FBgn00056	36431	Psc	0	0	1	0.152858	1.33939	1.46829
FBgn00300	31732	CG2260	0	0	1	0.152776	2.27559	2.49473
FBgn00166	33555	Ptpa	0	0	1	0.152753	14.572	15.972

FBgn00387	42363	CG17186	0	0	1	0.152705	4.40928	4.8333
FBgn02677	26067367	asRNA:CR4	0	0	1	0.152581	27.8066	30.4753
FBgn00858	5740177	CR41619	0	0	1	0.152517	24.2097	26.531
FBgn00249	31259	CG2685	0	0	1	0.152334	4.04563	4.4334
FBgn00273	31659	fz4	0	0	1	0.152242	5.5514	6.08256
FBgn00521	317867	CG32121	0	0	1	0.152232	5.62048	6.15833
FBgn00504	246608	CG30428	0	0	1	0.152193	14.0972	15.4457
FBgn00249	31260	CG2694	0	0	1	0.152189	4.40212	4.82328
FBgn00312	33255	Saf6	0	0	1	0.151727	3.57941	3.92079
FBgn00408	50290	CG14132	0	0	1	0.151727	14.1521	15.5012
FBgn02679	26067568	CR46258	0	0	1	0.151727	0.72006	0.789305
FBgn00327	35155	Tango6	0	0	1	0.151641	6.53586	7.15829
FBgn00395	43355	CG4951	0	0	1	0.151345	10.1867	11.1546
FBgn02643	42850	Atg6	0	0	1	0.151342	13.9312	15.2547
FBgn00383	41871	Trax	0	0	1	0.15115	20.0338	21.934
FBgn00275	31681	NELF-B	0	0	1	0.151132	3.6226	3.9665
FBgn00284	37769	Nxt1	0	0	1	0.151132	14.9332	16.3508
FBgn00501	246459	CG30105	0	0	1	0.151048	7.3198	8.01499
FBgn00326	35043	Rpb11	0	0	1	0.151028	22.2022	24.3071
FBgn00341	36858	CG8303	0	0	1	0.150871	10.6555	11.6639
FBgn00366	39821	RAF2	0	0	1	0.150714	5.81745	6.36728
FBgn00385	42187	CG7156	0	0	1	0.150661	8.03726	8.79663
FBgn00301	31947	CG12645	0	0	1	0.150549	1.20571	1.32053
FBgn00538	3772448	His2A:CG33	0	0	1	0.150549	2.70733	2.96516
FBgn00538	3772505	His2A:CG33	0	0	1	0.150549	2.70733	2.96516
FBgn02634	12798376	CR43482	0	0	1	0.150549	27.0166	29.5687
FBgn00531	318913	CG33178	0	0	1	0.150512	24.5124	26.8256
FBgn00031	31194	pn	0	0	1	0.150477	13.3091	14.5647
FBgn00408	50310	CG8620	0	0	1	0.15046	11.395	12.4707
FBgn00377	41137	CG8149	0	0	1	0.150428	22.4185	24.5324
FBgn00402	35236	Top3alpha	0	0	1	0.150374	5.73843	6.27933
FBgn00277	34175	U26	0	0	1	0.150262	4.77888	5.22902
FBgn00513	41835	CG31344	0	0	1	0.149998	12.791	13.9932
FBgn02647	14462879	CG44004	0	0	1	0.149736	3.69473	4.04191

FBgn00350	37964	CG3594	0	0	1	0.149665	7.18525	7.85964
FBgn00258	3772532	snoRNA:M	0	0	1	0.149417	14.9728	16.3853
FBgn00336	36259	CG13192	0	0	1	0.149417	9.29647	10.1664
FBgn00860	5740255	snoRNA:M	0	0	1	0.149417	7.58361	8.30583
FBgn02612	3346205	CheB53a	0	0	1	0.149417	0.979968	1.07329
FBgn02655	19836065	asRNA:CR4	0	0	1	0.149417	0.991647	1.0852
FBgn02658	19835098	CR44661	0	0	1	0.149417	1.41991	1.55513
FBgn00288	34963	GMF	0	0	1	0.149303	26.6332	29.1217
FBgn00203	37401	Tmtc3	0	0	1	0.14929	6.81931	7.45646
FBgn00134	36051	Cdc2rk	0	0	1	0.149077	7.24616	7.9226
FBgn00257	35914	CNT2	0	0	1	0.149004	5.28522	5.77818
FBgn00203	41266	Rfx	0	0	1	0.148991	3.90303	4.26684
FBgn00255	36808	fidipidine	0	0	1	0.148976	8.84691	9.67156
FBgn00361	39272	CG7573	0	0	1	0.14879	6.44499	7.04517
FBgn00357	38734	CG8270	0	0	1	0.148777	7.76534	8.48802
FBgn02615	34854	CG42685	0	0	1	0.148767	3.7913	4.14408
FBgn02628	12797998	CG43231	0	0	1	0.148759	5.93836	6.4915
FBgn00234	41643	Lip3	0	0	1	0.148687	1.45432	1.59027
FBgn00370	40321	CG12984	0	0	1	0.148687	2.29427	2.50874
FBgn00331	35617	Tsp42Eh	0	0	1	0.148611	13.2425	14.4735
FBgn00341	36838	jtb	0	0	1	0.148543	12.8546	14.0492
FBgn00304	32226	CG4004	0	0	1	0.148435	3.09233	3.37935
FBgn00858	5740648	CR41583	0	0	1	0.148145	10.4327	11.3985
FBgn00527	318192	CG32755	0	0	1	0.148116	2.6217	2.86505
FBgn00378	41351	CG17187	0	0	1	0.147975	3.36849	3.68061
FBgn00332	35763	Dic3	0	0	1	0.147897	19.2507	21.0293
FBgn02674	26067133	CR45803	0	0	1	0.147875	3.43742	3.75552
FBgn00317	33763	CG14022	0	0	1	0.147682	34.0759	37.2183
FBgn00531	36279	GalT1	0	0	1	0.147529	7.75607	8.47051
FBgn00516	318867	CG31643	0	0	1	0.147519	6.36012	6.94591
FBgn00383	41849	CG4338	0	0	1	0.147487	7.52791	8.22181
FBgn00258	38235	JTBR	0	0	1	0.147281	14.4437	15.7719
FBgn00383	41838	mRpS10	0	0	1	0.147281	16.5845	18.1095
FBgn00525	318071	CG32523	0	0	1	0.147281	4.02587	4.39696

FBgn02663	19834991	asRNA:CR4	0	0	1	0.147135	26.6358	29.0826
FBgn00511	42456	CG31199	0	0	1	0.146759	28.0811	30.6507
FBgn00312	33178	CG3709	0	0	1	0.146635	9.4598	10.3248
FBgn00365	39760	CG13074	0	0	1	0.146605	4.28073	4.6725
FBgn00500	36176	metro	0	0	1	0.146568	9.7353	10.6248
FBgn00391	42888	beta-PheRS	0	0	1	0.146538	11.2078	12.2316
FBgn02618	34874	l(2)35Be	0	0	1	0.146471	4.55333	4.97021
FBgn00295	42874	CHORD	0	0	1	0.146383	15.9759	17.4335
FBgn00413	33439	Cyp309a2	0	0	1	0.146372	7.96197	8.68851
FBgn00161	36854	Cdk4	0	0	1	0.146363	3.27535	3.57441
FBgn00858	5740646	CR41550	0	0	1	0.145782	2.86165	3.12235
FBgn00523	317996	tut	0	0	1	0.145728	6.3801	6.95974
FBgn00367	39966	CG7497	0	0	1	0.145632	11.8582	12.9334
FBgn00320	34220	CG9541	0	0	1	0.145621	1.63628	1.78494
FBgn00307	32633	CG9777	0	0	1	0.145585	13.4303	14.6475
FBgn00393	43128	SppL	0	0	1	0.145565	7.24741	7.90414
FBgn00340	36800	Tsf3	0	0	1	0.145407	5.66192	6.17448
FBgn00348	37720	CG13559	0	0	1	0.145301	6.87174	7.49396
FBgn00364	39668	CG7276	0	0	1	0.145301	14.4863	15.7971
FBgn00513	43626	CG31371	0	0	1	0.145301	0.413599	0.451594
FBgn02657	19835830	CR44564	0	0	1	0.145301	0.757038	0.826582
FBgn00340	36764	CG8389	0	0	1	0.144985	13.3106	14.5108
FBgn00368	40062	CG6843	0	0	1	0.144811	15.9546	17.3913
FBgn00275	40588	Nep2	0	0	1	0.144672	7.26199	7.91511
FBgn02633	12798061	CR43436	0	0	1	0.144548	5.66971	6.18043
FBgn00519	319047	CG31960	0	0	1	0.144418	19.1684	20.8894
FBgn00297	31401	CG15473	0	0	1	0.144364	0.655129	0.71433
FBgn00357	38762	Mis12	0	0	1	0.144364	7.25821	7.91024
FBgn00540	3885620	CG34049	0	0	1	0.144364	11.0421	12.0332
FBgn02653	19835214	CR44299	0	0	1	0.144364	0.98592	1.07501
FBgn02669	19834772	asRNA:CR4	0	0	1	0.144364	0.926886	1.01064
FBgn02661	317833	ghi	0	0	1	0.14424	40.6527	44.2952
FBgn00337	36351	Cpr49Ae	0	0	1	0.144192	20.6791	22.5313
FBgn00340	36688	mRpL41	0	0	1	0.144102	18.0696	19.6879

FBgn00005	31589	dx	0	0	1	0.144059	3.0073	3.27651
FBgn00409	26067082	CR15345	0	0	1	0.144059	2.10151	2.29042
FBgn02633	12798491	CR43415	0	0	1	0.144059	3.76883	4.10761
FBgn02677	26067357	asRNA:CR4	0	0	1	0.143843	5.92149	6.45065
FBgn00322	34436	LManI	0	0	1	0.143596	6.20683	6.76004
FBgn00335	36103	CG12895	0	0	1	0.143459	17.4677	19.0235
FBgn00362	39378	Ir68b	0	0	1	0.143459	0.393489	0.429047
FBgn02677	26067364	asRNA:CR4	0	0	1	0.143459	2.61672	2.85073
FBgn00383	41941	Rbf2	0	0	1	0.143019	1.15646	1.25935
FBgn00375	40894	CG1142	0	0	1	0.143	19.8095	21.5663
FBgn00500	246404	CG30031	0	0	1	0.142942	16.4577	17.9168
FBgn00304	32272	CG2453	0	0	1	0.142874	10.5075	11.4385
FBgn00347	37563	mRpS29	0	0	1	0.142785	14.2316	15.4913
FBgn00334	35953	CG1968	0	0	1	0.142738	12.8574	13.9949
FBgn02647	14462518	asRNA:CR4	0	0	1	0.142709	36.5038	39.7333
FBgn02659	19834944	CR44766	0	0	1	0.142586	7.0344	7.65718
FBgn00408	50289	CG12521	0	0	1	0.142508	41.4127	45.0701
FBgn02650	14462553	asRNA:CR4	0	0	1	0.142464	11.9944	13.0537
FBgn00136	19893536	mt:tRNA:Ly	0	0	1	0.142342	156.657	170.478
FBgn02597	7354381	tal-1A	0	0	1	0.142302	9.29896	10.1189
FBgn02597	7354376	tal-2A	0	0	1	0.142302	9.29896	10.1189
FBgn02597	7354378	tal-3A	0	0	1	0.142302	9.29896	10.1189
FBgn02597	7354377	tal-AA	0	0	1	0.142302	9.29896	10.1189
FBgn00512	41282	CG31278	0	0	1	0.141981	6.3297	6.88697
FBgn00829	5740351	snoRNA:Psi	0	0	1	0.141743	5.76729	6.28044
FBgn00854	5740313	CG34423	0	0	1	0.141743	25.6676	27.92
FBgn02634	12798032	scaRNA:Psi	0	0	1	0.141743	5.6831	6.18875
FBgn02654	19835512	CR44326	0	0	1	0.141743	2.0063	2.18349
FBgn02660	19836087	CR44786	0	0	1	0.141743	1.989	2.16375
FBgn00369	40261	mRpL15	0	0	1	0.14162	21.186	23.0426
FBgn00396	43463	CG11951	0	0	1	0.141423	10.7857	11.7292
FBgn00385	42175	MED17	0	0	1	0.141414	5.89878	6.415
FBgn02627	3772538	CG33941	0	0	1	0.141343	14.6916	15.9758
FBgn02650	14462626	asRNA:CR4	0	0	1	0.141129	13.4437	14.6183

FBgn00368	40052	Dysb	0	0	1	0.141017	5.27745	5.73801
FBgn00364	39559	CG6833	0	0	1	0.141001	7.10564	7.72547
FBgn00032	39297	rt	0	0	1	0.140928	0.995523	1.0825
FBgn00303	32144	CG1847	0	0	1	0.140839	8.31379	9.03764
FBgn02668	19834777	CR45279	0	0	1	0.140828	20.7341	22.5394
FBgn00517	261617	CG31777	0	0	1	0.140451	10.7451	11.6793
FBgn00402	53438	RecQ4	0	0	1	0.140399	0.981863	1.06715
FBgn00318	33884	CG9497	0	0	1	0.140362	6.53627	7.10312
FBgn00385	42100	cysu	0	0	1	0.140139	0.532486	0.578847
FBgn00501	37592	CG30195	0	0	1	0.140139	2.8532	3.10161
FBgn02662	19835055	CR44944	0	0	1	0.140139	0.546706	0.594641
FBgn00362	39404	INPP5E	0	0	1	0.139984	8.0056	8.69723
FBgn00382	41758	CG8461	0	0	1	0.139678	9.51029	10.3305
FBgn00390	42751	CG13827	0	0	1	0.139527	11.5967	12.595
FBgn00391	42814	CG10208	0	0	1	0.139483	5.54041	6.01766
FBgn00396	43498	CG15506	0	0	1	0.139376	1.13419	1.23227
FBgn00405	50007	Sf3b5	0	0	1	0.139282	36.6746	39.8249
FBgn00366	39915	CG14057	0	0	1	0.139226	7.62924	8.28544
FBgn00231	36017	Orc6	0	0	1	0.139127	2.60329	2.8274
FBgn00511	326118	CG31102	0	0	1	0.138774	15.6452	16.9825
FBgn00297	31447	Sas10	0	0	1	0.138637	4.13002	4.48305
FBgn02597	34319	CG42366	0	0	1	0.138637	0.307029	0.333578
FBgn02648	14462500	CR44034	0	0	1	0.138637	4.7437	5.14984
FBgn02670	19835681	CR45495	0	0	1	0.138637	1.32623	1.44091
FBgn00351	38036	CG13877	0	0	1	0.138556	30.3048	32.8911
FBgn00340	36762	Ufc1	0	0	1	0.138444	19.7528	21.4371
FBgn02591	7354435	CG42302	0	0	1	0.138396	6.81426	7.3958
FBgn00287	41089	Mst85C	0	0	1	0.138348	5.91104	6.41485
FBgn00308	32695	CG4991	0	0	1	0.138348	6.93217	7.52264
FBgn02645	14462857	CR43912	0	0	1	0.138327	3.07162	3.33327
FBgn00316	33645	Dim1	0	0	1	0.138252	21.4744	23.3024
FBgn00378	41352	CG14701	0	0	1	0.138157	10.6773	11.5865
FBgn02677	26067354	CR46035	0	0	1	0.138	4.15552	4.50865
FBgn00377	41221	Spn85F	0	0	1	0.137921	0.749895	0.813891

FBgn00402	53504	Ugt86Dg	0	0	1	0.137921	1.08839	1.18127
FBgn00367	39955	U4-U6-60K	0	0	1	0.137781	4.25611	4.61704
FBgn00296	31356	CG15375	0	0	1	0.137572	2.84386	3.08502
FBgn00362	39409	CrzR	0	0	1	0.13756	7.90057	8.5687
FBgn00347	37585	CG17807	0	0	1	0.137303	8.29573	8.99585
FBgn00309	32859	Cyp308a1	0	0	1	0.137227	0.540103	0.586196
FBgn00393	43089	CG5079	0	0	1	0.137227	1.0967	1.19029
FBgn02660	19835782	CR44824	0	0	1	0.137227	1.94583	2.11189
FBgn00840	14462913	CR41454	0	0	1	0.137114	10.0924	10.943
FBgn02678	26067460	asRNA:CR4	0	0	1	0.137091	8.53126	9.25029
FBgn00334	35985	Smyd4-1	0	0	1	0.137057	8.77863	9.51775
FBgn00019	48785	wek	0	0	1	0.137033	6.14125	6.65839
FBgn00377	41175	CG9444	0	0	1	0.136821	4.34225	4.70733
FBgn00258	31603	Mcm6	0	0	1	0.136721	2.57136	2.78742
FBgn00328	35257	PCNA2	0	0	1	0.136688	4.32965	4.69368
FBgn02647	14462878	CG44006	0	0	1	0.136361	12.4233	13.4629
FBgn02676	26067266	CR45939	0	0	1	0.136308	5.17839	5.61157
FBgn00029	41571	mus308	0	0	1	0.136141	3.83315	4.15322
FBgn00326	35088	CG5783	0	0	1	0.136137	10.5041	11.3817
FBgn00344	37249	CG11007	0	0	1	0.136078	13.1476	14.2449
FBgn00500	246452	CG30094	0	0	1	0.136054	22.9868	24.9052
FBgn00385	42182	mTerf5	0	0	1	0.136045	8.22096	8.90697
FBgn00316	33703	mRpL24	0	0	1	0.135976	36.6094	39.6614
FBgn02607	8674102	CR42549	0	0	1	0.135946	13.4935	14.6183
FBgn02670	19835128	CR45533	0	0	1	0.135583	0.775506	0.840094
FBgn02666	19834809	asRNA:CR4	0	0	1	0.135478	10.4801	11.3513
FBgn00291	44275	SoxN	0	0	1	0.135394	2.29995	2.49084
FBgn00270	36784	CysRS	0	0	1	0.135317	9.85076	10.6672
FBgn00852	5740752	CG34183	0	0	1	0.135199	15.7032	17.0043
FBgn02667	36641	Trs31	0	0	1	0.135091	19.6233	21.247
FBgn00629	3771992	pncr016:2F	0	0	1	0.135062	5.52815	5.9868
FBgn00345	37315	CG13423	0	0	1	0.135003	4.01879	4.35131
FBgn00430	41536	Desat2	0	0	1	0.134654	0.67621	0.732529
FBgn00538	3772346	His2A:CG33	0	0	1	0.134654	1.86129	2.01631

FBgn00540	3885592	CG34029	0	0	1	0.134654	10.2159	11.059
FBgn02644	14462520	CR43847	0	0	1	0.134654	7.07858	7.66241
FBgn02651	19835607	CR44229	0	0	1	0.134654	1.39668	1.513
FBgn02602	41073	E(var)3-9	0	0	1	0.134526	8.42269	9.11588
FBgn00137	40030	not	0	0	1	0.134427	5.07942	5.49713
FBgn00522	317924	CG32221	0	0	1	0.134117	17.2796	18.6961
FBgn00037	37042	thr	0	0	1	0.133783	3.15846	3.41667
FBgn00038	35430	tsh	0	0	1	0.13364	5.72938	6.197
FBgn00325	34743	CG9377	0	0	1	0.13359	8.12485	8.78814
FBgn00383	41905	CG4525	0	0	1	0.133475	1.02002	1.10356
FBgn02607	8674120	CG42566	0	0	1	0.133475	1.08296	1.17214
FBgn02650	14462489	CG44174	0	0	1	0.133475	4.26368	4.61287
FBgn00390	42762	CG4408	0	0	1	0.133361	5.77242	6.24267
FBgn02650	14462551	asRNA:CR4	0	0	1	0.133151	5.56584	6.01858
FBgn00371	40469	CG11438	0	0	1	0.133063	4.38932	4.74588
FBgn00297	31497	CG4078	0	0	1	0.13305	2.17637	2.3532
FBgn00196	35288	lok	0	0	1	0.13299	5.6434	6.10143
FBgn00333	35860	CG14743	0	0	1	0.132911	3.21078	3.47144
FBgn00381	41686	CG9312	0	0	1	0.132831	25.7047	27.7874
FBgn00049	32818	por	0	0	1	0.132698	5.51605	5.96254
FBgn00866	35329	IKKepsilon	0	0	1	0.132634	12.459	13.4664
FBgn00352	38263	CG11815	0	0	1	0.132439	27.6689	29.9023
FBgn00339	36630	CG12866	0	0	1	0.132403	9.04925	9.77946
FBgn00378	41306	CG4570	0	0	1	0.132362	0.772405	0.835329
FBgn00538	3772139	His2A:CG33	0	0	1	0.132362	1.9741	2.13492
FBgn00852	5740347	Blos3	0	0	1	0.132362	10.6	11.4561
FBgn00371	40447	CG14561	0	0	1	0.132004	2.29245	2.47729
FBgn00313	33294	Tfb4	0	0	1	0.131722	5.06586	5.4727
FBgn02674	26067131	asRNA:CR4	0	0	1	0.131696	10.928	11.8048
FBgn00004	32579	disco	0	0	1	0.131653	1.87547	2.02594
FBgn00340	36749	bug	0	0	1	0.131626	25.0706	27.079
FBgn00359	38985	CG6282	0	0	1	0.131566	5.28347	5.70653
FBgn00346	37459	CG15673	0	0	1	0.131514	13.4046	14.4776
FBgn00355	38541	Syx17	0	0	1	0.131464	21.5741	23.2996

FBgn00284	40732	ECSIT	0	0	1	0.131393	9.24099	9.97998
FBgn00330	35545	CG11211	0	0	1	0.131002	17.4436	18.8336
FBgn00829	5740435	snoRNA:Or	0	0	1	0.130989	116.709	126.005
FBgn00286	38503	VhaM9.7-c	0	0	1	0.130873	34.332	37.0628
FBgn00010	34968	fzy	0	0	1	0.130801	9.3896	10.1361
FBgn00392	43006	CG11839	0	0	1	0.13073	8.7145	9.40744
FBgn00362	39425	CG10681	0	0	1	0.130553	12.2381	13.2091
FBgn00355	38533	CG15014	0	0	1	0.130518	12.7116	13.7196
FBgn00319	34041	CG18585	0	0	1	0.130512	17.704	19.1075
FBgn02662	19835074	asRNA:CR4	0	0	1	0.130504	13.0365	14.0714
FBgn00112	37785	ken	0	0	1	0.130417	6.16817	6.65678
FBgn00316	33684	tank	0	0	1	0.130365	16.1672	17.447
FBgn00521	317862	CG32115	0	0	1	0.130239	9.48276	10.2328
FBgn00304	32282	CG1622	0	0	1	0.130066	4.24475	4.58009
FBgn02676	26067327	CR46006	0	0	1	0.130066	0.828628	0.894092
FBgn00340	36754	CG8366	0	0	1	0.13005	10.8242	11.6787
FBgn00322	34423	RfC3	0	0	1	0.129895	6.57157	7.08998
FBgn00298	31503	CG3097	0	0	1	0.129885	13.4616	14.5224
FBgn00316	33718	CG8891	0	0	1	0.129775	12.5112	13.4967
FBgn00383	41857	CG6236	0	0	1	0.129625	9.34559	10.0803
FBgn00388	42465	CG17272	0	0	1	0.129386	54.9491	59.2585
FBgn00510	12798280	CR31054	0	0	1	0.129359	2.02036	2.18016
FBgn02667	19835167	CR45204	0	0	1	0.129359	6.64229	7.16332
FBgn02677	26067371	CR46053	0	0	1	0.129359	2.15643	2.32699
FBgn00260	31565	Top3beta	0	0	1	0.129217	4.28572	4.62143
FBgn02675	26067257	asRNA:CR4	0	0	1	0.129206	16.4728	17.764
FBgn00333	35943	CG8027	0	0	1	0.129129	3.35135	3.61375
FBgn02675	26067183	28SrRNA-P:	0	0	1	0.128813	7.7811	8.38888
FBgn00500	246431	CG30065	0	0	1	0.128739	36.0287	38.8372
FBgn02636	5740624	Hsc20	0	0	1	0.128634	11.9085	12.8363
FBgn00384	42087	Brf	0	0	1	0.128613	6.3184	6.81039
FBgn00521	326198	Krn	0	0	1	0.128575	24.5413	26.4511
FBgn02666	19835653	CR45165	0	0	1	0.128457	3.43183	3.70082
FBgn02668	19836014	CR45322	0	0	1	0.128457	1.54922	1.67066

FBgn00340	36693	ItgaPS4	0	0	1	0.128239	1.32373	1.4266
FBgn00362	39414	Smyd4-2	0	0	1	0.128023	1.0275	1.10734
FBgn00264	32478	Grip128	0	0	1	0.127897	5.50704	5.9329
FBgn00043	32608	mei-41	0	0	1	0.127599	1.43979	1.55084
FBgn00323	34544	CG6201	0	0	1	0.127599	4.9276	5.30767
FBgn00521	39406	Lmx1a	0	0	1	0.127599	0.420834	0.453536
FBgn00349	37810	thoc5	0	0	1	0.127343	7.32399	7.88739
FBgn00298	31538	CG5921	0	0	1	0.127243	3.44902	3.71406
FBgn00398	43728	pasha	0	0	1	0.127209	6.0908	6.55866
FBgn00395	43332	CG12428	0	0	1	0.127198	12.7521	13.7314
FBgn00038	40554	tub	0	0	1	0.127197	18.9628	20.4189
FBgn02668	19836080	CR45303	0	0	1	0.127185	2.03584	2.19274
FBgn00202	36632	mspo	0	0	1	0.127091	4.79577	5.16378
FBgn00301	31949	CG15309	0	0	1	0.127086	8.92356	9.60806
FBgn02629	12798118	CR43264	0	0	1	0.126907	69.429	74.7462
FBgn00867	36242	Egm	0	0	1	0.126853	12.5971	13.5613
FBgn00416	39596	dlp	0	0	1	0.126847	7.43037	7.99903
FBgn00393	2768688	CCAP-R	0	0	1	0.126781	0.381805	0.41123
FBgn02606	8674074	CG42537	0	0	1	0.126781	6.13816	6.60932
FBgn00394	43261	CG14259	0	0	1	0.126727	16.3416	17.591
FBgn00329	35439	CG6675	0	0	1	0.126608	18.928	20.3732
FBgn00003	42249	ChAT	0	0	1	0.126533	4.68643	5.04404
FBgn00367	40004	CG7341	0	0	1	0.126386	4.85421	5.22439
FBgn00369	40239	Rbbp5	0	0	1	0.126386	10.1892	10.9657
FBgn00352	38184	CG7879	0	0	1	0.126205	4.67829	5.03415
FBgn00299	31695	CG10932	0	0	1	0.126104	15.8175	17.0193
FBgn02620	10178965	CG42833	0	0	1	0.126077	30.1297	32.4192
FBgn00318	33938	Nse1	0	0	1	0.126	2.4192	2.60346
FBgn00839	4379870	CG34141	0	0	1	0.126	2.43568	2.62072
FBgn00218	33234	Nle	0	0	1	0.125924	7.5485	8.12125
FBgn00314	33509	CG17265	0	0	1	0.125748	1.09998	1.18345
FBgn02677	26067373	asRNA:CR4	0	0	1	0.125748	6.74257	7.25417
FBgn00379	41438	mthl5	0	0	1	0.125657	6.79495	7.30913
FBgn00330	35521	CG7881	0	0	1	0.125595	5.59698	6.0202

FBgn00339	36564	O-fut1	0	0	1	0.125549	7.70437	8.28678
FBgn00363	39535	CG8833	0	0	1	0.1255	4.84439	5.21037
FBgn00312	33258	PGAP2	0	0	1	0.125475	8.8494	9.51787
FBgn00379	41404	CG18476	0	0	1	0.125359	5.78596	6.22243
FBgn00336	36273	Zip48C	0	0	1	0.125279	19.515	20.9855
FBgn00336	36275	reb	0	0	1	0.125255	0.540788	0.581821
FBgn00396	43472	CG2006	0	0	1	0.125255	14.0339	15.0913
FBgn02637	318910	CG43672	0	0	1	0.125255	1.99389	2.14421
FBgn00118	39195	Gem3	0	0	1	0.124878	6.55346	7.04539
FBgn00359	38987	GAPsec	0	0	1	0.124761	12.8587	13.823
FBgn00305	32414	CG9521	0	0	1	0.124542	0.540172	0.580858
FBgn00327	35240	CG10166	0	0	1	0.124542	43.2204	46.4536
FBgn00379	41396	CG6813	0	0	1	0.124542	3.58859	3.85745
FBgn00518	34463	CG31871	0	0	1	0.124542	0.524653	0.564169
FBgn02674	26067111	CR45773	0	0	1	0.124542	9.59734	10.3161
FBgn02674	26067155	asRNA:CR4	0	0	1	0.124542	2.16517	2.32767
FBgn00307	32564	CG8931	0	0	1	0.124482	19.8127	21.294
FBgn02629	12797994	CR43304	0	0	1	0.124403	13.34	14.3377
FBgn00397	43576	CG7946	0	0	1	0.124369	17.2395	18.527
FBgn00502	37600	CG30269	0	0	1	0.124344	28.5502	30.6817
FBgn00502	246520	CG30273	0	0	1	0.124344	28.5502	30.6817
FBgn00397	43618	CDase	0	0	1	0.124302	9.81852	10.5513
FBgn00520	317828	CG32024	0	0	1	0.124224	22.0806	23.7276
FBgn00522	326199	CG32202	0	0	1	0.124197	8.17044	8.78044
FBgn00034	38631	spo	0	0	1	0.12386	0.502731	0.540329
FBgn00514	318736	CheB93b	0	0	1	0.12386	1.84014	1.97776
FBgn00538	3772278	His2A:CG33	0	0	1	0.12386	2.53813	2.72795
FBgn00246	44250	Cpsf160	0	0	1	0.123831	6.07211	6.52315
FBgn00305	32316	Ndc80	0	0	1	0.123694	2.32564	2.49839
FBgn00313	33318	CG5440	0	0	1	0.123596	4.83684	5.19564
FBgn00361	39310	CG7339	0	0	1	0.12356	8.71091	9.3564
FBgn00349	37793	CG17658	0	0	1	0.12353	1.36438	1.46572
FBgn00312	33249	CG12506	0	0	1	0.1235	30.1681	32.4022
FBgn00503	37437	CG30394	0	0	1	0.123415	13.1615	14.135

FBgn00309	32908	CG14194	0	0	1	0.123405	17.3863	18.6722
FBgn02618	10178860	CR42790	0	0	1	0.1234	9.15104	9.82809
FBgn00261	32996	SkpC	0	0	1	0.123368	8.22262	8.83138
FBgn00324	34633	Ced-12	0	0	1	0.123207	7.56993	8.12879
FBgn00352	38182	Pex10	0	0	1	0.12313	22.0097	23.633
FBgn00427	3772716	CR12628	0	0	1	0.12308	10.5396	11.3174
FBgn00396	43444	CG14516	0	0	1	0.122919	3.76389	4.041
FBgn00313	33358	CG17650	0	0	1	0.122891	14.7885	15.8775
FBgn00399	3354991	CG17167	0	0	1	0.122835	7.55726	8.11306
FBgn00504	3772367	mRpL53	0	0	1	0.122787	47.932	51.4548
FBgn00306	32481	CG6324	0	0	1	0.122757	2.58359	2.77355
FBgn00241	44238	sip1	0	0	1	0.122704	2.38056	2.55557
FBgn00011	38005	gsb	0	0	1	0.122581	0.792547	0.851032
FBgn00839	4379911	CG17672	0	0	1	0.122581	0.881261	0.946293
FBgn00321	34334	CG13131	0	0	1	0.122516	6.14707	6.59768
FBgn00304	32266	CG4318	0	0	1	0.122479	5.47015	5.87127
FBgn00253	37787	CG4882	0	0	1	0.122435	17.3064	18.574
FBgn02625	12798121	CG43115	0	0	1	0.122406	13.6204	14.6183
FBgn00118	38326	Pxn	0	0	1	0.122359	4.96363	5.32689
FBgn00352	38230	mRpL46	0	0	1	0.122337	14.7751	15.8565
FBgn00650	3772476	snmRNA:8	0	0	1	0.12232	516.136	553.892
FBgn00028	38257	mu2	0	0	1	0.1223	4.24832	4.55911
FBgn00502	246534	CG30291	0	0	1	0.122297	12.1979	13.0902
FBgn00852	5740713	CG34269	0	0	1	0.122217	10.1957	10.9415
FBgn00339	36613	Cpr51A	0	0	1	0.122177	24.9021	26.7215
FBgn00397	43600	CG9737	0	0	1	0.122177	2.46603	2.64649
FBgn00346	37422	ASPP	0	0	1	0.122168	5.8987	6.32955
FBgn00284	42500	rtet	0	0	1	0.122157	7.84785	8.4212
FBgn02639	41836	Caf1-55	0	0	1	0.122141	16.2915	17.4811
FBgn02599	2768945	CG42458	0	0	1	0.121914	3.28671	3.52625
FBgn00336	36262	S2P	0	0	1	0.121804	20.3456	21.8261
FBgn00306	32497	CG9220	0	0	1	0.121797	5.60112	6.00873
FBgn00256	31278	CG3588	0	0	1	0.121785	1.18894	1.27559
FBgn00317	33858	CG9154	0	0	1	0.121785	10.4231	11.1819

FBgn00340	36730	CG8207	0	0	1	0.121669	13.209	14.169
FBgn00340	36759	CG8320	0	0	1	0.121622	18.2543	19.5804
FBgn02626	34426	SmB	0	0	1	0.121592	5.30332	5.68906
FBgn00346	37450	TAF1C-like	0	0	1	0.121373	9.59544	10.2907
FBgn02666	19836123	CR45176	0	0	1	0.121178	21.6753	23.2439
FBgn00332	35753	CG2906	0	0	1	0.121122	7.0434	7.55261
FBgn00341	36871	CG15617	0	0	1	0.121122	2.14226	2.29748
FBgn00343	37082	CG5726	0	0	1	0.120869	10.1397	10.8705
FBgn00336	36230	Tsp47F	0	0	1	0.120848	1.15093	1.23432
FBgn02676	26067341	asRNA:CR4	0	0	1	0.120848	18.0133	19.3118
FBgn00347	37557	babos	0	0	1	0.120809	30.4955	32.6919
FBgn00325	34998	CG17996	0	0	1	0.120787	24.1271	25.8652
FBgn02631	39835	CG43373	0	0	1	0.120605	3.78211	4.05396
FBgn00351	38084	RabX6	0	0	1	0.120578	8.88686	9.52574
FBgn00290	44787	miple2	0	0	1	0.12054	26.608	28.5192
FBgn00375	40948	CG10435	0	0	1	0.120536	14.9411	16.0143
FBgn02676	26067282	asRNA:CR4	0	0	1	0.120446	59.9166	64.2159
FBgn00336	36197	CG9067	0	0	1	0.120314	13.1422	14.0847
FBgn00380	41581	CG10909	0	0	1	0.120141	7.41983	7.95093
FBgn00504	36719	CG30467	0	0	1	0.120141	7.33395	7.85875
FBgn00387	42385	MED25	0	0	1	0.119945	3.6995	3.96373
FBgn00275	32350	Nup93-1	0	0	1	0.119934	9.99081	10.704
FBgn00527	318160	CG32706	0	0	1	0.119864	13.4569	14.4171
FBgn00335	36122	Git	0	0	1	0.1198	8.82079	9.44959
FBgn00043	37277	18w	0	0	1	0.11967	6.27725	6.72407
FBgn00527	31835	APC4	0	0	1	0.119633	5.08955	5.45182
FBgn02591	42553	DNApol-alp	0	0	1	0.1196	1.5996	1.71347
FBgn00312	33166	CG11377	0	0	1	0.119592	22.5017	24.1021
FBgn00345	37381	CG9346	0	0	1	0.119403	9.97067	10.6784
FBgn00355	38540	slow	0	0	1	0.119403	3.15235	3.3763
FBgn00285	34837	mTTF	0	0	1	0.119306	9.41116	10.0787
FBgn00306	32439	CG9065	0	0	1	0.119306	23.0031	24.635
FBgn00831	8673975	Uhg5	0	0	1	0.119306	3.68231	3.94403
FBgn00839	4379863	CG34150	0	0	1	0.119245	24.2676	25.988

FBgn00379	41399	Elp1	0	0	1	0.119162	9.44071	10.1091
FBgn00340	36722	eIF2Bgamn	0	0	1	0.119002	18.6275	19.9443
FBgn00394	43217	CG5484	0	0	1	0.118998	24.9382	26.7009
FBgn00352	38207	CG7974	0	0	1	0.118907	6.76599	7.24406
FBgn00368	40080	Sfxn2	0	0	1	0.118903	14.0381	15.0294
FBgn00303	32157	CG10362	0	0	1	0.118762	2.83515	3.03515
FBgn00406	50170	Teh3	0	0	1	0.118673	5.80327	6.2123
FBgn02640	32889	CG43759	0	0	1	0.11852	1.4605	1.56328
FBgn00334	36065	CG12917	0	0	1	0.11849	15.5829	16.6785
FBgn00353	38328	CG14949	0	0	1	0.118459	41.5015	44.4182
FBgn00830	5740768	snoRNA:Psi	0	0	1	0.118368	22.0466	23.598
FBgn02672	19836196	asRNA:CR4	0	0	1	0.118368	4.62043	4.94636
FBgn00313	33299	CG5080	0	0	1	0.118265	7.75652	8.30062
FBgn00521	39400	CG32100	0	0	1	0.118113	10.1406	10.8508
FBgn00324	34655	CG5446	0	0	1	0.118071	33.1283	35.4471
FBgn02648	14462456	CR44039	0	0	1	0.117924	1.12594	1.20498
FBgn00315	33606	CG3407	0	0	1	0.117751	3.28895	3.51854
FBgn00380	41499	CG4115	0	0	1	0.117708	2.84301	3.04165
FBgn00396	43429	CG11837	0	0	1	0.117708	5.77308	6.17598
FBgn00391	42875	CG5515	0	0	1	0.117631	35.8081	38.3027
FBgn00314	33516	GABPI	0	0	1	0.117451	18.0204	19.2734
FBgn00284	34705	Pk34A	0	0	1	0.117419	13.6365	14.5846
FBgn00270	45783	ValRS	0	0	1	0.117402	12.8031	13.6928
FBgn00365	39758	CG5235	0	0	1	0.117356	1.78471	1.90884
FBgn00389	42625	CG5379	0	0	1	0.117356	3.28915	3.51792
FBgn00830	5740514	snoRNA:Psi	0	0	1	0.117286	42.6246	45.5859
FBgn02626	12797974	CR43152	0	0	1	0.117286	31.0311	33.1852
FBgn00318	33994	Pvf2	0	0	1	0.117149	4.65648	4.97939
FBgn00371	40433	Nopp140	0	0	1	0.117149	12.1396	12.9809
FBgn02609	8674042	CG42598	0	0	1	0.117081	1.39273	1.4896
FBgn02611	37123	Prp19	0	0	1	0.117007	10.287	10.9991
FBgn02591	36559	CG42288	0	0	1	0.116934	55.9994	59.8717
FBgn00376	41086	hyx	0	0	1	0.116879	12.002	12.8315
FBgn00538	3772264	His2B:CG33	0	0	1	0.11668	2.75729	2.94822

FBgn00102	37767	Ssrp	0	0	1	0.116622	18.0016	19.2422
FBgn00019	34790	Sos	0	0	1	0.116597	5.64027	6.02889
FBgn00322	34446	CG6094	0	0	1	0.116485	7.53812	8.05731
FBgn00510	43539	CG31036	0	0	1	0.116485	1.00445	1.07371
FBgn00392	42987	Nmnat	0	0	1	0.116432	11.2579	12.0323
FBgn00153	34688	kek1	0	0	1	0.11636	4.96272	5.30379
FBgn00421	59164	CG18788	0	0	1	0.116292	2.80532	2.9982
FBgn00258	36887	Fen1	0	0	1	0.11601	4.96402	5.30416
FBgn00288	34962	CG17328	0	0	1	0.11601	4.35973	4.65846
FBgn00300	31830	CG10970	0	0	1	0.115991	14.2259	15.1998
FBgn00025	45894	lds	0	0	1	0.115984	10.6659	11.3959
FBgn00287	37037	Dhit	0	0	1	0.115932	8.66078	9.25322
FBgn00319	34089	Sirup	0	0	1	0.115917	14.1902	15.1612
FBgn00320	34142	strat	0	0	1	0.115917	11.6174	12.4123
FBgn00369	40257	CG5274	0	0	1	0.115917	4.94117	5.2794
FBgn00869	37962	egg	0	0	1	0.115889	5.69269	6.08197
FBgn00299	31642	CG3040	0	0	1	0.115878	30.6392	32.734
FBgn00342	37006	P32	0	0	1	0.115869	34.4088	36.761
FBgn00852	5740501	CG34253	0	0	1	0.115794	10.686	11.4167
FBgn00041	31802	oc	0	0	1	0.115643	1.37902	1.47313
FBgn00503	246591	CG30398	0	0	1	0.115553	16.9974	18.1556
FBgn00264	39173	Dronc	0	0	1	0.11553	13.0408	13.9291
FBgn00306	32515	CG11679	0	0	1	0.115464	9.60487	10.2588
FBgn02620	10178933	CG42841	0	0	1	0.115426	21.7831	23.2651
FBgn00356	38615	Pfdn4	0	0	1	0.115281	42.4012	45.2816
FBgn00337	36335	mIF3	0	0	1	0.115072	9.53475	10.1811
FBgn00396	43401	CG1647	0	0	1	0.115069	5.66568	6.04967
FBgn00359	39093	CG3529	0	0	1	0.114889	19.5695	20.8931
FBgn00868	36561	pea	0	0	1	0.114886	6.01358	6.42033
FBgn02612	34609	zuc	0	0	1	0.11486	1.55019	1.65538
FBgn02643	14462782	CR43826	0	0	1	0.11486	3.31401	3.53887
FBgn02664	19834908	CG45071	0	0	1	0.11486	4.82557	5.15201
FBgn00386	42280	CG14286	0	0	1	0.114748	7.11586	7.59689
FBgn00033	35731	sax	0	0	1	0.114633	14.0149	14.9601

FBgn00525	32659	CG32568	0	0	1	0.114588	22.1321	23.624
FBgn00381	41596	yellow-f2	0	0	1	0.114427	20.1607	21.5174
FBgn02608	31706	Ykt6	0	0	1	0.114334	25.1944	26.888
FBgn00005	32428	eag	0	0	1	0.114274	3.31504	3.53774
FBgn00381	41690	CG9286	0	0	1	0.114207	14.8914	15.8913
FBgn00376	41023	CG11753	0	0	1	0.11411	30.2276	32.2547
FBgn02679	33369	Der-1	0	0	1	0.114102	31.6096	33.729
FBgn00322	3772012	CG17768	0	0	1	0.113951	13.128	14.0068
FBgn00676	3772280	LSm-4	0	0	1	0.113951	13.128	14.0068
FBgn02666	19835742	CR45180	0	0	1	0.113895	1.92861	2.05806
FBgn00395	43342	CG12426	0	0	1	0.113793	8.74044	9.32505
FBgn00522	38338	Mrtf	0	0	1	0.113604	5.37165	5.72984
FBgn00534	2768686	CG33494	0	0	1	0.113592	47.4251	50.5871
FBgn00395	43386	CG9986	0	0	1	0.113377	9.77505	10.4253
FBgn00338	36520	CG6220	0	0	1	0.113297	5.43661	5.79813
FBgn00396	43513	Rnb	0	0	1	0.113297	3.68935	3.93462
FBgn00356	38716	CG10274	0	0	1	0.113215	4.50001	4.79887
FBgn00367	40002	CG5147	0	0	1	0.113189	10.1213	10.7933
FBgn00137	40164	Deaf1	0	0	1	0.112936	8.03067	8.56223
FBgn00517	326158	CG31759	0	0	1	0.112825	4.96629	5.2947
FBgn00251	35682	az2	0	0	1	0.112665	3.99217	4.25576
FBgn00355	38518	CG15011	0	0	1	0.112584	8.42336	8.97875
FBgn00381	41687	Cht5	0	0	1	0.112462	1.90007	2.02534
FBgn02628	19835097	CR43252	0	0	1	0.112462	1.84864	1.9707
FBgn00323	34593	CycY	0	0	1	0.112409	15.9346	16.9831
FBgn00365	39678	yellow-k	0	0	1	0.112396	7.85254	8.36945
FBgn00388	2768674	Fancd2	0	0	1	0.112374	1.32759	1.41498
FBgn02666	39940	Sec3	0	0	1	0.111997	9.35532	9.96806
FBgn02606	31344	CG42541	0	0	1	0.111976	3.21407	3.42453
FBgn00347	37639	MED23	0	0	1	0.111974	3.55155	3.78414
FBgn00397	43549	eIF2Balpha	0	0	1	0.111791	20.8895	22.2547
FBgn02615	10178805	CG42654	0	0	1	0.11157	8.40279	8.95114
FBgn00310	32984	CG14230	0	0	1	0.111497	5.18749	5.52546
FBgn00317	33850	CG9135	0	0	1	0.11129	5.36072	5.70912

FBgn00385	42125	CG7523	0	0	1	0.111224	36.2908	38.6468
FBgn00160	33726	vkg	0	0	1	0.111212	3.99803	4.25757
FBgn02599	8673988	CG42455	0	0	1	0.111196	25.7795	27.4527
FBgn02662	19835639	asRNA:CR4	0	0	1	0.110952	13.3135	14.1753
FBgn00029	40003	mus304	0	0	1	0.110839	6.28018	6.68619
FBgn00513	318681	CG31321	0	0	1	0.11083	3.0109	3.20564
FBgn00839	4379861	CG34149	0	0	1	0.110755	2.04918	2.18183
FBgn02644	14462887	asRNA:CR4	0	0	1	0.110755	2.79837	2.97952
FBgn02678	34413	da	0	0	1	0.110557	12.4794	13.2834
FBgn00420	59261	CG3267	0	0	1	0.110445	12.676	13.4917
FBgn02629	38144	Rabex-5	0	0	1	0.110437	10.4875	11.1624
FBgn02678	26067067	PRAS40	0	0	1	0.110406	12.9208	13.7518
FBgn00381	41606	CG11668	0	0	1	0.110321	1.66963	1.77716
FBgn00103	42160	htl	0	0	1	0.110278	5.57626	5.93443
FBgn00365	39690	AIMP2	0	0	1	0.110207	25.9206	27.584
FBgn00865	36448	Spt-I	0	0	1	0.109898	28.0801	29.8756
FBgn00346	37492	comr	0	0	1	0.109707	2.36146	2.51228
FBgn00359	39044	CG4942	0	0	1	0.109707	5.40802	5.75328
FBgn00309	32909	CG7990	0	0	1	0.109636	7.27954	7.74364
FBgn00351	38133	CG9194	0	0	1	0.109609	1.58948	1.69088
FBgn00867	36492	cbs	0	0	1	0.109524	16.9279	18.0056
FBgn00339	36616	CG12869	0	0	1	0.109512	0.707865	0.753022
FBgn00376	41122	CG9356	0	0	1	0.109468	19.736	20.9917
FBgn00870	38934	Sbp2	0	0	1	0.109369	18.2654	19.4263
FBgn00352	38204	Vta1	0	0	1	0.109366	32.6069	34.6791
FBgn00839	4379869	snoRNA:M	0	0	1	0.109306	319.012	339.272
FBgn02634	12798148	asRNA:CR4	0	0	1	0.109089	4.2742	4.54506
FBgn00383	41834	CG12241	0	0	1	0.108995	14.043	14.9316
FBgn00298	31508	CG15767	0	0	1	0.108834	5.20039	5.52903
FBgn00344	37296	CG9143	0	0	1	0.10874	4.62074	4.91234
FBgn00275	41072	CG11970	0	0	1	0.108731	7.15622	7.60764
FBgn02623	12798445	CG43058	0	0	1	0.108716	16.5006	17.5419
FBgn00381	41659	CG14370	0	0	1	0.108705	17.2027	18.2879
FBgn00277	42285	Prp18	0	0	1	0.108687	7.69799	8.18353

FBgn00256	34064	LKRSDH	0	0	1	0.108632	7.94019	8.44053
FBgn02754	36547	PheRS-m	0	0	1	0.108555	24.9275	26.4968
FBgn00386	42286	CG6013	0	0	1	0.108464	15.0894	16.0385
FBgn00115	32587	FBgn00115	0	0	1	0.10843	23.0164	24.4632
FBgn00260	31362	Tip60	0	0	1	0.108326	8.52751	9.06295
FBgn00328	35285	AANATL3	0	0	1	0.108193	21.6938	23.0539
FBgn00157	42866	p38a	0	0	1	0.108186	27.0238	28.7176
FBgn00005	39675	Eip71CD	0	0	1	0.108054	27.0878	28.7831
FBgn00853	33062	shakB	0	0	1	0.10802	1.72082	1.82848
FBgn00270	35139	CG17322	0	0	1	0.107896	25.0449	26.6094
FBgn00299	31672	CheA7a	0	0	1	0.107877	18.3577	19.5045
FBgn00155	35119	tos	0	0	1	0.107862	2.21057	2.34871
FBgn00526	318148	Rab9E	0	0	1	0.107784	2.97146	3.15715
FBgn00229	38718	D19A	0	0	1	0.10774	5.78838	6.14934
FBgn00339	36679	CG8089	0	0	1	0.10763	1.33472	1.41797
FBgn02651	38957	Oseg1	0	0	1	0.107549	7.39214	7.85202
FBgn00383	41937	blp	0	0	1	0.107546	25.2186	26.7875
FBgn00160	45587	nompA	0	0	1	0.10748	0.515232	0.547312
FBgn00531	326259	CG33116	0	0	1	0.107137	12.2097	12.9656
FBgn00863	32979	Mer	0	0	1	0.10711	7.39328	7.85086
FBgn00346	37428	CG10505	0	0	1	0.107071	3.79466	4.02943
FBgn00029	33507	okr	0	0	1	0.106991	4.88886	5.19105
FBgn00035	41740	su(Hw)	0	0	1	0.106954	9.20593	9.77462
FBgn00336	36208	CG7741	0	0	1	0.106886	5.38874	5.72139
FBgn00361	39243	Irbp18	0	0	1	0.106827	46.4198	49.283
FBgn00299	31708	CG10778	0	0	1	0.106818	6.25394	6.63979
FBgn02609	41096	Vps15	0	0	1	0.106651	6.99144	7.42177
FBgn00389	42648	CG5376	0	0	1	0.106639	7.08862	7.52516
FBgn00332	35727	CG12824	0	0	1	0.106557	33.5929	35.6584
FBgn00218	35399	l(2)k14505	0	0	1	0.106348	22.3771	23.7495
FBgn00258	32529	Paf-AHalph	0	0	1	0.106317	15.7023	16.665
FBgn00344	37282	CG11099	0	0	1	0.106151	7.74603	8.22001
FBgn00288	34901	CG15262	0	0	1	0.10613	11.5326	12.2381
FBgn02626	12797909	asRNA:CR4	0	0	1	0.10613	7.64385	8.11158

FBgn00330	35570	PGAP3	0	0	1	0.106033	11.3356	12.0282
FBgn00368	40074	CG3808	0	0	1	0.105969	7.22177	7.6627
FBgn00258	36886	IntS8	0	0	1	0.105831	5.59003	5.93076
FBgn00356	38656	mad2	0	0	1	0.105831	14.9911	15.9049
FBgn00389	42630	CG13850	0	0	1	0.105804	17.4887	18.5542
FBgn00864	33960	l(2)k09022	0	0	1	0.105784	4.76046	5.05044
FBgn00366	39882	kud	0	0	1	0.105749	42.0508	44.6116
FBgn00380	41494	CG10013	0	0	1	0.105582	5.54486	5.8819
FBgn00388	42454	CG17267	0	0	1	0.105433	2.08089	2.20726
FBgn02669	19835481	CR45409	0	0	1	0.105433	5.4321	5.76176
FBgn00357	38733	CG10147	0	0	1	0.105397	4.32659	4.58899
FBgn00614	59247	Zwilch	0	0	1	0.105324	4.2856	4.54528
FBgn00331	35604	CG3358	0	0	1	0.105217	7.71911	8.18622
FBgn00310	33005	Nep3	0	0	1	0.105209	9.30899	9.87207
FBgn00391	42813	tst	0	0	1	0.105188	8.20333	8.69941
FBgn00319	34099	CG7466	0	0	1	0.105147	4.76754	5.0557
FBgn00046	43650	zfh1	0	0	1	0.10507	2.35642	2.49874
FBgn00334	36054	egr	0	0	1	0.104989	16.6762	17.6823
FBgn00372	40574	Mur82C	0	0	1	0.104824	20.5161	21.7513
FBgn00103	48343	deltaTry	0	0	1	0.104781	16.478	17.4697
FBgn00325	34752	Ing5	0	0	1	0.104773	19.2036	20.3591
FBgn00152	38815	Srp19	0	0	1	0.104666	36.1528	38.3253
FBgn02674	26067114	CR45776	0	0	1	0.10461	10.5578	11.1921
FBgn02666	19835014	asRNA:CR4	0	0	1	0.104598	24.8428	26.3343
FBgn00251	37542	ari-2	0	0	1	0.104587	9.03159	9.57379
FBgn00284	36086	RNaseZ	0	0	1	0.104579	7.52945	7.98145
FBgn00275	33223	MED15	0	0	1	0.104534	13.1631	13.9528
FBgn02677	26067413	asRNA:CR4	0	0	1	0.104515	4.96185	5.25959
FBgn00298	31571	CG3815	0	0	1	0.104452	3.1833	3.37414
FBgn00263	37246	Rep	0	0	1	0.104421	10.7438	11.3875
FBgn00314	33484	CG3117	0	0	1	0.104329	2.83321	3.00293
FBgn00029	45908	nec	0	0	1	0.104176	28.0279	29.702
FBgn00332	35706	CG2070	0	0	1	0.104119	7.67148	8.12949
FBgn00341	36883	CG5550	0	0	1	0.104061	11.3539	12.0312

FBgn00365	39762	IleRS-m	0	0	1	0.104061	3.67239	3.89148
FBgn02650	14462432	CR44156	0	0	1	0.104061	8.55069	9.06119
FBgn00328	35323	CG2608	0	0	1	0.103995	9.67677	10.2536
FBgn00048	31840	Bx42	0	0	1	0.103991	7.44055	7.884
FBgn00384	42005	Der-2	0	0	1	0.103986	36.0685	38.2178
FBgn00036	41491	svp	0	0	1	0.103974	8.97067	9.50513
FBgn00389	42619	CG5380	0	0	1	0.103974	6.47896	6.86515
FBgn00396	43430	CG11841	0	0	1	0.103966	36.6706	38.8552
FBgn00030	34404	pim	0	0	1	0.103867	14.7847	15.6646
FBgn00344	37294	CG10444	0	0	1	0.103827	14.3219	15.1736
FBgn00264	36089	Ndg	0	0	1	0.103701	3.04856	3.22961
FBgn00339	36581	SmydA-1	0	0	1	0.10364	4.15375	4.40031
FBgn00325	34753	CG7099	0	0	1	0.103592	3.07936	3.26198
FBgn02650	37743	St3	0	0	1	0.103461	13.2069	13.9888
FBgn00368	40038	CG6893	0	0	1	0.103338	19.5888	20.7469
FBgn00370	40300	Spc105R	0	0	1	0.103269	2.4687	2.61453
FBgn00033	33281	S	0	0	1	0.10319	7.40832	7.84545
FBgn00520	3772046	CR32011	0	0	1	0.103038	7.10466	7.52308
FBgn02636	12798226	asRNA:CR4	0	0	1	0.103029	2.86455	3.03337
FBgn00312	33147	CG12446	0	0	1	0.102981	4.45915	4.72163
FBgn00309	32871	Atg101	0	0	1	0.102913	23.568	24.9538
FBgn00260	31145	CG14817	0	0	1	0.102887	12.9361	13.6967
FBgn00205	41718	Abi	0	0	1	0.102831	15.8062	16.7347
FBgn00521	39552	Ptip	0	0	1	0.10276	2.99159	3.16717
FBgn00304	32230	CG3812	0	0	1	0.102749	4.12398	4.36601
FBgn00385	42194	CG7142	0	0	1	0.102749	2.98372	3.15894
FBgn00397	43566	ZIPIC	0	0	1	0.102749	4.9271	5.21632
FBgn00302	32035	CG1552	0	0	1	0.102681	7.63369	8.08141
FBgn00450	250736	bwa	0	0	1	0.102426	18.358	19.4309
FBgn00288	34870	CG3491	0	0	1	0.102052	4.43672	4.6948
FBgn00340	36720	CG8187	0	0	1	0.102052	15.3116	16.2023
FBgn00403	31057	CG14628	0	0	1	0.102052	17.6848	18.7138
FBgn00013	31010	l(1)1Bi	0	0	1	0.10185	4.81326	5.09255
FBgn02591	326119	5PtaseI	0	0	1	0.101721	8.14138	8.61299

FBgn00338	36459	CG4646	0	0	1	0.101657	11.3389	11.9954
FBgn00376	41041	ranshi	0	0	1	0.101657	3.88668	4.11178
FBgn00391	42839	CG5902	0	0	1	0.101561	23.4138	24.7673
FBgn02675	26067198	asRNA:CR4	0	0	1	0.101472	19.0633	20.1641
FBgn00296	31311	CG12535	0	0	1	0.101231	7.27792	7.69688
FBgn00368	40087	Gem2	0	0	1	0.101213	12.0106	12.7019
FBgn00322	34428	CG5188	0	0	1	0.101165	13.6914	14.479
FBgn00391	42833	CG12268	0	0	1	0.101153	29.99	31.7147
FBgn00038	41183	alphaTub8	0	0	1	0.101125	6.16736	6.52199
FBgn00295	41532	Aos1	0	0	1	0.10111	20.6822	21.871
FBgn00300	31801	Caf1-180	0	0	1	0.101101	1.18984	1.25826
FBgn00405	39862	zetaCOP	0	0	1	0.101092	43.3982	45.892
FBgn00391	42870	mRpS24	0	0	1	0.101007	16.2669	17.2008
FBgn00518	319011	CG31897	0	0	1	0.100961	2.91354	3.08072
FBgn00516	318879	CG31675	0	0	1	0.100931	12.8524	13.5895
FBgn00374	40787	CRAT	0	0	1	0.100866	18.7331	19.8064
FBgn00383	41867	CG5038	0	0	1	0.100848	3.68422	3.89532
FBgn00362	39408	CG10418	0	0	1	0.100826	11.3899	12.0425
FBgn02629	12798076	CR43301	0	0	1	0.100826	2.81208	2.9732
FBgn00379	41403	CG14715	0	0	1	0.100797	23.5053	24.851
FBgn00107	46121	Pfdn2	0	0	1	0.100744	40.7158	43.0451
FBgn00522	317922	CG32219	0	0	1	0.100653	10.2357	10.8207
FBgn00321	34339	Spn31A	0	0	1	0.100528	3.62187	3.82859
FBgn00388	42439	Srp72	0	0	1	0.100479	12.163	12.8564
FBgn00369	40158	TORIP	0	0	1	0.100418	30.2206	31.9423
FBgn00307	32568	CG8939	0	0	1	0.100391	10.0855	10.6598
FBgn00354	38375	Usp5	0	0	1	0.100295	13.4112	14.174
FBgn00381	41650	GILT1	0	0	1	0.100186	53.3331	56.3624
FBgn00353	38346	pgant6	0	0	1	0.100041	17.7283	18.7334
FBgn00284	34734	Drep4	0	0	1	0.100036	12.9315	13.6646
FBgn00268	50364	CG13364	0	0	1	0.100023	86.222	91.1091
FBgn00375	40929	ArgRS-m	0	0	1	0.0998652	6.20285	6.55374
FBgn00229	44409	Cbp80	0	0	1	0.0998489	12.1989	12.8887
FBgn02632	39175	vnc	0	0	1	0.0998141	25.3833	26.8181

FBgn00314	33449	Prosbeta4F	0	0	1	0.0997749	20.8047	21.9802
FBgn00358	38954	CG7120	0	0	1	0.0997329	9.77216	10.324
FBgn00156	32627	SMC3	0	0	1	0.0996439	8.76392	9.25823
FBgn00326	35089	JMJD4	0	0	1	0.0995907	8.69211	9.18207
FBgn00383	41907	CG9590	0	0	1	0.099528	26.5026	27.9952
FBgn02709	2768965	AsnS	0	0	1	0.0994919	19.4167	20.5097
FBgn00354	38446	PIG-B	0	0	1	0.0994817	16.0842	16.9895
FBgn00386	42292	CG6040	0	0	1	0.0994361	5.56899	5.88225
FBgn00355	38598	CG10672	0	0	1	0.0992768	28.6804	30.2903
FBgn00261	35029	ApepP	0	0	1	0.0992482	28.4795	30.0776
FBgn00339	36604	Sin1	0	0	1	0.0992029	6.18686	6.53386
FBgn00297	31487	PGAP1	0	0	1	0.0991935	5.13143	5.41918
FBgn00376	41117	CG8129	0	0	1	0.0990296	22.4288	23.6838
FBgn00299	31667	Dok	0	0	1	0.0988993	5.66977	5.98648
FBgn00327	35198	CG17568	0	0	1	0.0988824	3.58356	3.78374
FBgn00522	317953	CG32281	0	0	1	0.0988824	8.58228	9.06161
FBgn02673	37188	Topors	0	0	1	0.0988114	9.21568	9.72985
FBgn00326	35112	CG10333	0	0	1	0.0986507	10.3542	10.9307
FBgn02679	26067561	asRNA:CR4	0	0	1	0.0985926	3.82744	4.04042
FBgn02634	12798259	CR43456	0	0	1	0.0985697	10.193	10.7601
FBgn00412	32278	HDAC4	0	0	1	0.0985405	6.79853	7.17649
FBgn00522	317923	Csas	0	0	1	0.0985021	9.28109	9.79693
FBgn02613	41293	mRpL37	0	0	1	0.0983929	15.9129	16.7959
FBgn02650	14462431	asRNA:CR4	0	0	1	0.098257	8.45524	8.92359
FBgn00325	34904	CG15258	0	0	1	0.0982509	52.2308	55.1234
FBgn00515	318795	CG31551	0	0	1	0.0982065	1.77531	1.8736
FBgn00391	42826	CG13601	0	0	1	0.0981965	13.6612	14.4173
FBgn00518	318953	CG31807	0	0	1	0.0981668	7.60933	8.03037
FBgn00356	38694	ssp6	0	0	1	0.0980891	1.83495	1.93638
FBgn02604	43579	CG7950	0	0	1	0.0980416	12.8769	13.5881
FBgn00289	42091	sds22	0	0	1	0.0980296	39.8205	42.0194
FBgn00391	2768680	Myo95E	0	0	1	0.0979736	8.68794	9.16733
FBgn00361	39322	Bmcp	0	0	1	0.0979584	12.6216	13.318
FBgn00327	35181	CG10702	0	0	1	0.0979357	6.84097	7.21826

FBgn00364	39661	Best3	0	0	1	0.0979132	9.29075	9.80303
FBgn00334	36049	PIG-N	0	0	1	0.0978999	10.2826	10.8495
FBgn00396	43503	CIA30	0	0	1	0.0978866	22.6592	23.9081
FBgn00372	40577	MED31	0	0	1	0.0977783	29.478	31.1004
FBgn00351	38031	CG13876	0	0	1	0.0975635	12.645	13.339
FBgn00370	40290	CG4074	0	0	1	0.0974947	7.40227	7.80819
FBgn00373	40709	Sym	0	0	1	0.0974685	8.66427	9.13916
FBgn02604	317962	CG32295	0	0	1	0.0974574	44.2066	46.6291
FBgn00299	31662	CG1677	0	0	1	0.097363	10.9402	11.539
FBgn02633	12798483	asRNA:CR4	0	0	1	0.0973394	11.577	12.2105
FBgn00039	31165	usp	0	0	1	0.0973068	8.83257	9.31565
FBgn00512	42382	CG31213	0	0	1	0.0972366	10.573	11.1507
FBgn00369	40187	CG7646	0	0	1	0.097108	27.6098	29.1158
FBgn00532	2768977	CG33260	0	0	1	0.097108	10.3581	10.9232
FBgn00298	31614	CG14439	0	0	1	0.0970753	19.4348	20.4945
FBgn00044	45962	msopa	0	0	1	0.0970333	14.6757	15.4755
FBgn00301	31927	CG1791	0	0	1	0.0969612	8.11123	8.55284
FBgn00314	33403	CG15387	0	0	1	0.0968688	14.2845	15.0612
FBgn00235	31163	PIG-K	0	0	1	0.096852	16.5499	17.4496
FBgn00115	43951	e(r)	0	0	1	0.0967315	30.4438	32.096
FBgn00301	31921	CG9686	0	0	1	0.0966475	63.045	66.4626
FBgn02621	41783	kibra	0	0	1	0.0966374	7.32159	7.71844
FBgn00009	47121	dup	0	0	1	0.0965184	3.45589	3.64292
FBgn00308	32734	CG12991	0	0	1	0.0964978	19.025	20.0543
FBgn02613	43679	Prosalpha3	0	0	1	0.0964811	12.3237	12.9903
FBgn00368	40130	CG9231	0	0	1	0.0964281	78.9221	83.1877
FBgn00283	31292	kirre	0	0	1	0.0962642	1.48363	1.56365
FBgn00385	42145	Odj	0	0	1	0.096248	14.2498	15.0181
FBgn00338	36487	CG18278	0	0	1	0.0961461	7.19622	7.58371
FBgn00203	38909	Nmt	0	0	1	0.0960863	27.1774	28.6395
FBgn00359	39037	CG5194	0	0	1	0.0959527	11.5174	12.1359
FBgn00313	33290	Iris	0	0	1	0.0959433	36.446	38.4029
FBgn00315	33561	CG12795	0	0	1	0.0959193	12.0876	12.7364
FBgn00337	36425	CG17019	0	0	1	0.0958069	14.1023	14.8581

FBgn00296	31347	CG2938	0	0	1	0.0957947	10.3627	10.918
FBgn00323	34516	YL-1	0	0	1	0.0957101	9.54896	10.0601
FBgn00348	37647	CG9849	0	0	1	0.0956873	14.2135	14.9741
FBgn00160	35966	wun	0	0	1	0.095478	20.8326	21.9441
FBgn00290	44274	disp	0	0	1	0.0953489	9.78127	10.3022
FBgn00342	36974	CG4853	0	0	1	0.0953358	16.0501	16.9048
FBgn00355	38561	CG11357	0	0	1	0.0952995	10.2519	10.7976
FBgn00284	43462	Usp1	0	0	1	0.0952519	13.242	13.9464
FBgn00403	31042	TRAM	0	0	1	0.0952101	13.4645	14.1802
FBgn02600	318102	drd	0	0	1	0.0951697	10.4529	11.0083
FBgn00025	35940	Rab32	0	0	1	0.0951534	12.6939	13.3681
FBgn02604	37079	MED9	0	0	1	0.0951361	59.923	63.1052
FBgn02667	41193	Snap24	0	0	1	0.0950461	19.6122	20.6524
FBgn00349	37859	enok	0	0	1	0.0949441	7.68943	8.09669
FBgn00345	37340	CG16799	0	0	1	0.0948459	46.3731	48.8259
FBgn00336	36282	CG8298	0	0	1	0.0947642	20.9063	22.0108
FBgn00519	319048	TBCC	0	0	1	0.0946961	14.5528	15.321
FBgn00352	38159	CG2199	0	0	1	0.09467	7.57483	7.97452
FBgn00324	34719	CG9426	0	0	1	0.0946469	13.8771	14.6091
FBgn00380	41543	CG5608	0	0	1	0.0946333	9.91322	10.436
FBgn00316	33676	CG15630	0	0	1	0.0945256	8.85606	9.32242
FBgn00363	39520	Abp1	0	0	1	0.0945031	19.1977	20.2083
FBgn00368	40128	CG9300	0	0	1	0.0944534	11.4657	12.0689
FBgn02603	8674039	CG42518	0	0	1	0.094364	58.2423	61.3024
FBgn00395	43345	mRpS22	0	0	1	0.0939788	26.0855	27.4487
FBgn00397	43637	CG2246	0	0	1	0.0938124	16.8372	17.7151
FBgn00300	44111	slpr	0	0	1	0.0938085	7.31935	7.70094
FBgn00056	35788	Pabp2	0	0	1	0.0937058	21.4857	22.6043
FBgn00340	36788	lbk	0	0	1	0.0935153	10.6762	11.2305
FBgn00256	48421	CG3558	0	0	1	0.0934135	15.9472	16.7741
FBgn00000	30981	ac	0	0	1	0.0928333	0	0
FBgn00002	39620	Brd	0	0	1	0.0928333	0	0
FBgn00002	31912	btd	0	0	1	0.0928333	0.236934	0.249118
FBgn00002	3772648	Cec-Psi1	0	0	1	0.0928333	0	0

FBgn00002	3772199	Cec2	0	0	1	0.0928333	0	0
FBgn00003	39001	Cp16	0	0	1	0.0928333	0	0
FBgn00003	39000	Cp19	0	0	1	0.0928333	0	0
FBgn00003	31787	Cp36	0	0	1	0.0928333	0	0
FBgn00005	42101	Eh	0	0	1	0.0928333	0.118494	0.124587
FBgn00005	43161	E(spl)m8-H	0	0	1	0.0928333	0	0
FBgn00011	33334	halo	0	0	1	0.0928333	0.135422	0.142386
FBgn00025	30983	l(1)sc	0	0	1	0.0928333	0	0
FBgn00026	43158	E(spl)m5-H	0	0	1	0.0928333	0	0
FBgn00026	43159	E(spl)m6-B	0	0	1	0.0928333	0.0244561	0.025714
FBgn00027	38779	msl-3	0	0	1	0.0928333	10.9956	11.561
FBgn00028	48309	mus101	0	0	1	0.0928333	1.62795	1.71167
FBgn00029	31300	ng1	0	0	1	0.0928333	0	0
FBgn00029	32107	nod	0	0	1	0.0928333	3.02023	3.17555
FBgn00030	32713	CG10598	0	0	1	0.0928333	0	0
FBgn00032	31290	rst	0	0	1	0.0928333	0.75177	0.790429
FBgn00033	31304	Sgs4	0	0	1	0.0928333	0.0292086	0.030711
FBgn00033	42114	Sgs5	0	0	1	0.0928333	0	0
FBgn00033	47198	Sgs7	0	0	1	0.0928333	0	0
FBgn00038	32160	tsg	0	0	1	0.0928333	0	0
FBgn00039	3772192	snRNA:U2:	0	0	1	0.0928333	0.868956	0.913641
FBgn00039	3772712	snRNA:U4:	0	0	1	0.0928333	2.52787	2.65786
FBgn00039	3772477	snRNA:U4:	0	0	1	0.0928333	0	0
FBgn00039	3771949	snRNA:U5:	0	0	1	0.0928333	0	0
FBgn00039	3772527	snRNA:U5:	0	0	1	0.0928333	0	0
FBgn00039	33829	Vm26Aa	0	0	1	0.0928333	0	0
FBgn00039	33827	Vm26Ab	0	0	1	0.0928333	0	0
FBgn00039	34758	Vm34Ca	0	0	1	0.0928333	0	0
FBgn00041	31652	nullo	0	0	1	0.0928333	0	0
FBgn00041	3771770	snRNA:U1:	0	0	1	0.0928333	0	0
FBgn00044	38130	LysS	0	0	1	0.0928333	0.113035	0.118848
FBgn00045	39700	Eig71Ea	0	0	1	0.0928333	0	0
FBgn00045	39703	Eig71Ec	0	0	1	0.0928333	0.0435158	0.045754
FBgn00045	39704	Eig71Ed	0	0	1	0.0928333	0	0

FBgn00045	41801	CycC	0	0	1	0.0928333	16.8982	17.7672
FBgn00047	40819	Ccp84Ag	0	0	1	0.0928333	0.0506957	0.053303
FBgn00047	40821	Ccp84Ae	0	0	1	0.0928333	0	0
FBgn00047	40822	Ccp84Ad	0	0	1	0.0928333	0	0
FBgn00047	40824	Ccp84Ab	0	0	1	0.0928333	0	0
FBgn00047	40825	Ccp84Aa	0	0	1	0.0928333	0	0
FBgn00048	36283	otk	0	0	1	0.0928333	1.48683	1.56329
FBgn00048	44018	cas	0	0	1	0.0928333	0.0264741	0.027836
FBgn00100	35199	gammaTub	0	0	1	0.0928333	0.187882	0.197544
FBgn00102	31298	ng2	0	0	1	0.0928333	0	0
FBgn00102	31301	ng4	0	0	1	0.0928333	0	0
FBgn00104	38958	mtrm	0	0	1	0.0928333	1.22227	1.28512
FBgn00112	31397	HLH4C	0	0	1	0.0928333	0.156217	0.16425
FBgn00118	33406	Ser12	0	0	1	0.0928333	0	0
FBgn00118	3771940	tRNA:Ala-A	0	0	1	0.0928333	0	0
FBgn00118	3772471	tRNA:Asp-(	0	0	1	0.0928333	0	0
FBgn00118	3772441	tRNA:Glu-T	0	0	1	0.0928333	0	0
FBgn00118	3772147	tRNA:Glu-T	0	0	1	0.0928333	0	0
FBgn00118	3772503	tRNA:Glu-T	0	0	1	0.0928333	0	0
FBgn00118	3772169	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00118	3772190	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00118	3771931	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00118	3771795	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00118	3771844	tRNA:Phe-(	0	0	1	0.0928333	0	0
FBgn00118	3772114	tRNA:Gly-G	0	0	1	0.0928333	0	0
FBgn00118	3772195	tRNA:Gly-G	0	0	1	0.0928333	0	0
FBgn00118	3772279	tRNA:Gly-G	0	0	1	0.0928333	0	0
FBgn00118	3772636	tRNA:Gly-G	0	0	1	0.0928333	0	0
FBgn00118	3771867	tRNA:Gly-G	0	0	1	0.0928333	0	0
FBgn00118	3772021	tRNA:Gly-G	0	0	1	0.0928333	0	0
FBgn00118	3772331	tRNA:Gly-G	0	0	1	0.0928333	0	0
FBgn00118	3771882	tRNA:Gly-G	0	0	1	0.0928333	0	0
FBgn00118	3772072	tRNA:Gly-G	0	0	1	0.0928333	0	0
FBgn00118	3772187	tRNA:Gly-G	0	0	1	0.0928333	0	0

FBgn00118	3772202	tRNA:Gly-G	0	0	1	0.0928333	0	0
FBgn00118	3772544	tRNA:Gly-G	0	0	1	0.0928333	0	0
FBgn00118	3771868	tRNA:Gly-G	0	0	1	0.0928333	0	0
FBgn00118	3772656	tRNA:His-G	0	0	1	0.0928333	0	0
FBgn00118	3772362	tRNA:His-G	0	0	1	0.0928333	0	0
FBgn00118	3772554	tRNA:Ala-T	0	0	1	0.0928333	0	0
FBgn00118	3771805	tRNA:Ile-AA	0	0	1	0.0928333	0	0
FBgn00118	3772043	tRNA:Ile-AA	0	0	1	0.0928333	0	0
FBgn00118	3772486	tRNA:Ile-AA	0	0	1	0.0928333	0	0
FBgn00118	3771731	tRNA:Ile-AA	0	0	1	0.0928333	0	0
FBgn00118	3772177	tRNA:Ile-AA	0	0	1	0.0928333	0	0
FBgn00118	3772404	tRNA:Ile-AA	0	0	1	0.0928333	0	0
FBgn00118	3772588	tRNA:Lys-C	0	0	1	0.0928333	0	0
FBgn00118	3772622	tRNA:Lys-C	0	0	1	0.0928333	0	0
FBgn00118	3772394	tRNA:Lys-C	0	0	1	0.0928333	0	0
FBgn00118	3772118	tRNA:Lys-C	0	0	1	0.0928333	0	0
FBgn00118	3772431	tRNA:Lys-C	0	0	1	0.0928333	0	0
FBgn00118	3772507	tRNA:Lys-C	0	0	1	0.0928333	0.380912	0.4005
FBgn00118	3772460	tRNA:Lys-C	0	0	1	0.0928333	0.380912	0.4005
FBgn00118	3772444	tRNA:Lys-C	0	0	1	0.0928333	0	0
FBgn00118	3772368	tRNA:Lys-C	0	0	1	0.0928333	0	0
FBgn00119	3772008	tRNA:Lys-T	0	0	1	0.0928333	0	0
FBgn00119	3772033	tRNA:Lys-T	0	0	1	0.0928333	0	0
FBgn00119	3772413	tRNA:Lys-T	0	0	1	0.0928333	0	0
FBgn00119	3772026	tRNA:Leu-C	0	0	1	0.0928333	0	0
FBgn00119	3772242	tRNA:Leu-C	0	0	1	0.0928333	0	0
FBgn00119	3772659	tRNA:Leu-C	0	0	1	0.0928333	0	0
FBgn00119	3771971	tRNA:Met-(	0	0	1	0.0928333	0	0
FBgn00119	3772623	tRNA:Met-(	0	0	1	0.0928333	0	0
FBgn00119	3772318	tRNA:Met-(	0	0	1	0.0928333	0.380912	0.4005
FBgn00119	3771776	tRNA:iMet-	0	0	1	0.0928333	0	0
FBgn00119	3772366	tRNA:iMet-	0	0	1	0.0928333	0	0
FBgn00119	3772090	tRNA:iMet-	0	0	1	0.0928333	0	0
FBgn00119	3772465	tRNA:Asn-(	0	0	1	0.0928333	0	0

FBgn00119	3772122	tRNA:Asn-G	0	0	1	0.0928333	0	0
FBgn00119	3771793	tRNA:Asn-G	0	0	1	0.0928333	0	0
FBgn00119	3772718	tRNA:Asn-G	0	0	1	0.0928333	0	0
FBgn00119	3772433	tRNA:Asn-G	0	0	1	0.0928333	0	0
FBgn00119	3885600	tRNA:Asn-G	0	0	1	0.0928333	0	0
FBgn00119	3885657	tRNA:Asn-G	0	0	1	0.0928333	0	0
FBgn00119	3771727	tRNA:Pro-T	0	0	1	0.0928333	0	0
FBgn00119	3772717	tRNA:Pro-T	0	0	1	0.0928333	0	0
FBgn00119	3772095	tRNA:Arg-T	0	0	1	0.0928333	0	0
FBgn00119	3772369	tRNA:Arg-T	0	0	1	0.0928333	0	0
FBgn00119	3772584	tRNA:Arg-T	0	0	1	0.0928333	0	0
FBgn00119	3771747	tRNA:Arg-T	0	0	1	0.0928333	0	0
FBgn00119	3772515	tRNA:Arg-T	0	0	1	0.0928333	0	0
FBgn00119	3772710	tRNA:Arg-T	0	0	1	0.0928333	0	0
FBgn00119	3772356	tRNA:Arg-T	0	0	1	0.0928333	0	0
FBgn00119	3772473	tRNA:Arg-A	0	0	1	0.0928333	0	0
FBgn00119	3772020	tRNA:Arg-A	0	0	1	0.0928333	0	0
FBgn00119	3772564	tRNA:Arg-A	0	0	1	0.0928333	0	0
FBgn00119	3772022	tRNA:Arg-A	0	0	1	0.0928333	0	0
FBgn00119	3772533	tRNA:Arg-A	0	0	1	0.0928333	0	0
FBgn00119	3772310	tRNA:Arg-A	0	0	1	0.0928333	0	0
FBgn00119	3771986	tRNA:Arg-A	0	0	1	0.0928333	0	0
FBgn00119	3772045	tRNA:Arg-A	0	0	1	0.0928333	0	0
FBgn00119	3771761	tRNA:Arg-A	0	0	1	0.0928333	0	0
FBgn00119	3772491	tRNA:Arg-T	0	0	1	0.0928333	0	0
FBgn00119	3772599	tRNA:Arg-T	0	0	1	0.0928333	0	0
FBgn00119	3771926	tRNA:Ser-G	0	0	1	0.0928333	0	0
FBgn00119	3772707	tRNA:Ser-G	0	0	1	0.0928333	0	0
FBgn00119	3772261	tRNA:Ser-A	0	0	1	0.0928333	0	0
FBgn00119	3772663	tRNA:Ser-C	0	0	1	0.0928333	0	0
FBgn00119	3771956	tRNA:Ser-C	0	0	1	0.0928333	0	0
FBgn00119	3772434	tRNA:Ser-C	0	0	1	0.0928333	0	0
FBgn00119	3772029	tRNA:Ser-A	0	0	1	0.0928333	0	0
FBgn00119	3771874	tRNA:Ser-A	0	0	1	0.0928333	0	0

FBgn00119	3772164	tRNA:Ser-A	0	0	1	0.0928333	0	0
FBgn00119	3772135	tRNA:Ser-A	0	0	1	0.0928333	0	0
FBgn00119	3772357	tRNA:Ser-A	0	0	1	0.0928333	0	0
FBgn00119	3771781	tRNA:Ser-A	0	0	1	0.0928333	0	0
FBgn00119	3772577	tRNA:Thr-A	0	0	1	0.0928333	0	0
FBgn00119	3772258	tRNA:Thr-A	0	0	1	0.0928333	0	0
FBgn00119	3772617	tRNA:Val-C	0	0	1	0.0928333	0	0
FBgn00119	3772391	tRNA:Val-C	0	0	1	0.0928333	0	0
FBgn00120	3772000	tRNA:Val-C	0	0	1	0.0928333	0	0
FBgn00120	3771850	tRNA:Val-C	0	0	1	0.0928333	0	0
FBgn00120	3772508	tRNA:Val-C	0	0	1	0.0928333	0	0
FBgn00120	3771822	tRNA:Val-C	0	0	1	0.0928333	0	0
FBgn00120	3772201	tRNA:Val-C	0	0	1	0.0928333	0	0
FBgn00120	3772587	tRNA:Val-A	0	0	1	0.0928333	0	0
FBgn00120	3771815	tRNA:Val-A	0	0	1	0.0928333	0	0
FBgn00120	3771990	tRNA:Val-A	0	0	1	0.0928333	0	0
FBgn00120	3772635	tRNA:Tyr-G	0	0	1	0.0928333	0	0
FBgn00120	3772347	tRNA:Tyr-G	0	0	1	0.0928333	0	0
FBgn00120	3772127	tRNA:Tyr-G	0	0	1	0.0928333	0	0
FBgn00120	3772598	tRNA:Tyr-G	0	0	1	0.0928333	0	0
FBgn00120	3772373	tRNA:Tyr-G	0	0	1	0.0928333	0	0
FBgn00136	19893537	mt:tRNA:As	0	0	1	0.0928333	8.7155	9.16368
FBgn00136	19893547	mt:tRNA:Gl	0	0	1	0.0928333	0.830047	0.872732
FBgn00136	19893548	mt:tRNA:Ph	0	0	1	0.0928333	0	0
FBgn00137	19893554	mt:tRNA:Pr	0	0	1	0.0928333	0.911691	0.958574
FBgn00137	19893561	mt:tRNA:Va	0	0	1	0.0928333	4.19003	4.4055
FBgn00148	39709	Eig71Eh	0	0	1	0.0928333	0	0
FBgn00148	39710	Eig71Ei	0	0	1	0.0928333	0	0
FBgn00148	39711	Eig71Ej	0	0	1	0.0928333	0.068999	0.072547
FBgn00148	39712	Eig71Ek	0	0	1	0.0928333	0	0
FBgn00152	34794	Orc5	0	0	1	0.0928333	3.87347	4.07266
FBgn00202	34843	ppk	0	0	1	0.0928333	2.68805	2.82627
FBgn00205	3771811	snoRNA:Mc	0	0	1	0.0928333	62.7431	65.9696
FBgn00206	48381	Lcp65Ab2	0	0	1	0.0928333	0	0

FBgn00206	48382	Lcp65Ab1	0	0	1	0.0928333	0	0
FBgn00206	38709	Lcp65Aa	0	0	1	0.0928333	0	0
FBgn00206	3771993	Lcp65APsi	0	0	1	0.0928333	0	0
FBgn00230	35073	btv	0	0	1	0.0928333	0.665831	0.700071
FBgn00243	36864	Nach	0	0	1	0.0928333	0.0669232	0.070365
FBgn00249	31196	CG3457	0	0	1	0.0928333	0	0
FBgn00251	3771745	tRNA:Pro-C	0	0	1	0.0928333	0	0
FBgn00253	31109	CG14795	0	0	1	0.0928333	0.912689	0.959623
FBgn00256	31279	CG14424	0	0	1	0.0928333	0	0
FBgn00261	3772125	tRNA:Lys-T	0	0	1	0.0928333	0	0
FBgn00261	3772333	tRNA:Lys-T	0	0	1	0.0928333	0	0
FBgn00261	3772688	tRNA:Lys-T	0	0	1	0.0928333	0	0
FBgn00263	43990	Sep-05	0	0	1	0.0928333	2.31592	2.43501
FBgn00263	36187	Or47a	0	0	1	0.0928333	0.102305	0.107566
FBgn00263	35644	Or43a	0	0	1	0.0928333	0.0181624	0.019096
FBgn00263	33623	Or24a	0	0	1	0.0928333	0.0232302	0.024425
FBgn00263	33381	Or22c	0	0	1	0.0928333	0.0229997	0.024182
FBgn00267	36406	mRpL18	0	0	1	0.0928333	20.7422	21.8089
FBgn00277	35764	Hey	0	0	1	0.0928333	0.0824143	0.086652
FBgn00285	35774	sut1	0	0	1	0.0928333	11.367	11.9516
FBgn00288	34846	Cpr35B	0	0	1	0.0928333	0	0
FBgn00288	3772076	tRNA:Pro-A	0	0	1	0.0928333	0	0
FBgn00288	3771999	tRNA:Leu-T	0	0	1	0.0928333	0	0
FBgn00289	3771814	tRNA:Gln-C	0	0	1	0.0928333	0	0
FBgn00289	3772320	tRNA:Pro-A	0	0	1	0.0928333	0	0
FBgn00289	3771997	tRNA:Pro-A	0	0	1	0.0928333	0	0
FBgn00289	3771762	tRNA:Pro-A	0	0	1	0.0928333	0	0
FBgn00289	3772085	tRNA:Ser-C	0	0	1	0.0928333	0	0
FBgn00291	44498	Surf1	0	0	1	0.0928333	10.78	11.3343
FBgn00295	30978	Or1a	0	0	1	0.0928333	0.397906	0.418368
FBgn00295	31019	CG13361	0	0	1	0.0928333	0.213213	0.224178
FBgn00295	31085	CG14770	0	0	1	0.0928333	0.282096	0.296602
FBgn00296	31291	CG4116	0	0	1	0.0928333	0	0
FBgn00296	31343	CG15239	0	0	1	0.0928333	0.236711	0.248884

FBgn00296	31365	CG15571	0	0	1	0.0928333	0.0532693	0.056009
FBgn00297	31389	CG3546	0	0	1	0.0928333	0	0
FBgn00297	31419	CG6927	0	0	1	0.0928333	0.0893145	0.093907
FBgn00298	31510	Cpr5C	0	0	1	0.0928333	0	0
FBgn00298	31576	CG3842	0	0	1	0.0928333	6.91374	7.26927
FBgn00299	31641	CG4586	0	0	1	0.0928333	0.844128	0.887537
FBgn00299	31651	CG14427	0	0	1	0.0928333	0	0
FBgn00300	31825	CG12662	0	0	1	0.0928333	0.0499221	0.052489
FBgn00301	31952	CG2962	0	0	1	0.0928333	0.0204761	0.021529
FBgn00302	31973	CG12640	0	0	1	0.0928333	0.159808	0.168026
FBgn00302	32036	CG1545	0	0	1	0.0928333	3.52915	3.71063
FBgn00302	32085	Gr10b	0	0	1	0.0928333	0.0222275	0.023371
FBgn00303	32189	Ir11a	0	0	1	0.0928333	0.0280875	0.029532
FBgn00304	32213	CG11085	0	0	1	0.0928333	0.126066	0.132549
FBgn00304	32271	CG12723	0	0	1	0.0928333	0.0131598	0.013837
FBgn00305	32364	CG12481	0	0	1	0.0928333	0	0
FBgn00308	32714	CG10597	0	0	1	0.0928333	0	0
FBgn00310	32932	CG12200	0	0	1	0.0928333	0.336031	0.353311
FBgn00310	32978	CG14227	0	0	1	0.0928333	1.74518	1.83493
FBgn00311	10178883	CR11235	0	0	1	0.0928333	0	0
FBgn00311	33133	CG14613	0	0	1	0.0928333	16.2371	17.0721
FBgn00313	33357	CG17648	0	0	1	0.0928333	10.1255	10.6462
FBgn00314	33407	Send1	0	0	1	0.0928333	0	0
FBgn00314	33480	Cpr23B	0	0	1	0.0928333	0.10434	0.109705
FBgn00315	33537	CG15404	0	0	1	0.0928333	0	0
FBgn00316	33667	CG3355	0	0	1	0.0928333	0.0196652	0.020677
FBgn00316	33734	senju	0	0	1	0.0928333	23.3714	24.5732
FBgn00317	33784	CG14014	0	0	1	0.0928333	0.197385	0.207535
FBgn00317	33842	CG13996	0	0	1	0.0928333	0.0334214	0.03514
FBgn00317	33875	CG13983	0	0	1	0.0928333	0	0
FBgn00318	33889	CG9505	0	0	1	0.0928333	4.55214	4.78623
FBgn00319	34010	Wnt6	0	0	1	0.0928333	5.4834	5.76538
FBgn00319	34011	Wnt10	0	0	1	0.0928333	0.0585402	0.061551
FBgn00320	34155	CG17294	0	0	1	0.0928333	15.2771	16.0627

FBgn00321	34270	Cpr30B	0	0	1	0.0928333	0.0391091	0.04112
FBgn00321	34272	CG13114	0	0	1	0.0928333	0.0363485	0.038218
FBgn00321	34279	CG4382	0	0	1	0.0928333	0.0152616	0.016046
FBgn00321	34296	CG4017	0	0	1	0.0928333	0.0344141	0.036184
FBgn00321	34311	Etl1	0	0	1	0.0928333	11.4173	12.0045
FBgn00322	34466	CG17105	0	0	1	0.0928333	0	0
FBgn00322	34470	CG7294	0	0	1	0.0928333	0.0516851	0.054343
FBgn00322	34489	CG17127	0	0	1	0.0928333	0.296445	0.31169
FBgn00323	34506	CG12517	0	0	1	0.0928333	0.0500118	0.052584
FBgn00328	35262	CG10631	0	0	1	0.0928333	5.61265	5.90128
FBgn00328	35308	CG16798	0	0	1	0.0928333	0.166043	0.174581
FBgn00330	35536	FBgn00330	0	0	1	0.0928333	8.78926	9.24124
FBgn00331	35630	CG12836	0	0	1	0.0928333	0.157992	0.166117
FBgn00332	35798	CG14756	0	0	1	0.0928333	0	0
FBgn00333	35840	CG14752	0	0	1	0.0928333	0.257468	0.270708
FBgn00333	35896	CG13748	0	0	1	0.0928333	0.385133	0.404938
FBgn00335	36095	Ir47a	0	0	1	0.0928333	0	0
FBgn00335	36096	CG12898	0	0	1	0.0928333	0	0
FBgn00335	36179	CG13227	0	0	1	0.0928333	0.0551718	0.058009
FBgn00335	36184	CG13226	0	0	1	0.0928333	0.758627	0.797638
FBgn00336	36207	Obp47b	0	0	1	0.0928333	0.13653	0.143551
FBgn00336	36256	CG13193	0	0	1	0.0928333	0	0
FBgn00337	36349	Cpr49Ad	0	0	1	0.0928333	0	0
FBgn00339	36625	CG12862	0	0	1	0.0928333	0	0
FBgn00340	36700	CG8157	0	0	1	0.0928333	1.1811	1.24184
FBgn00340	36751	CG8299	0	0	1	0.0928333	3.43605	3.61275
FBgn00340	36766	Rrp42	0	0	1	0.0928333	4.6486	4.88765
FBgn00340	36802	CG7786	0	0	1	0.0928333	0	0
FBgn00341	36917	SmydA-6	0	0	1	0.0928333	0.52817	0.55533
FBgn00342	36938	CG17290	0	0	1	0.0928333	0.443904	0.466731
FBgn00342	36941	CG10953	0	0	1	0.0928333	0	0
FBgn00342	37045	CG14492	0	0	1	0.0928333	0	0
FBgn00342	37046	CG14491	0	0	1	0.0928333	0	0
FBgn00343	37173	CG15082	0	0	1	0.0928333	0.647669	0.680975

FBgn00344	37192	CG15115	0	0	1	0.0928333	0.0357871	0.037627
FBgn00344	37229	cer	0	0	1	0.0928333	87.8397	92.3568
FBgn00344	37257	CG15905	0	0	1	0.0928333	0.0563457	0.059243
FBgn00344	37278	CG11041	0	0	1	0.0928333	1.50166	1.57888
FBgn00345	37348	CG13438	0	0	1	0.0928333	0	0
FBgn00345	37351	CG13443	0	0	1	0.0928333	0	0
FBgn00347	37623	CG12490	0	0	1	0.0928333	0.0506495	0.053254
FBgn00348	37675	CG13545	0	0	1	0.0928333	0.0550625	0.057894
FBgn00348	37758	CG13560	0	0	1	0.0928333	0	0
FBgn00349	37839	Not11	0	0	1	0.0928333	14.6743	15.4289
FBgn00350	37906	CG13589	0	0	1	0.0928333	0	0
FBgn00350	37907	CG13590	0	0	1	0.0928333	0	0
FBgn00350	37974	CG3650	0	0	1	0.0928333	0	0
FBgn00352	38152	CG9184	0	0	1	0.0928333	0.345423	0.363186
FBgn00352	38210	CG13930	0	0	1	0.0928333	0.0129634	0.01363
FBgn00354	38387	CG14958	0	0	1	0.0928333	0.976571	1.02679
FBgn00354	38440	ppk27	0	0	1	0.0928333	0.0201351	0.021171
FBgn00355	38549	CG15022	0	0	1	0.0928333	0	0
FBgn00355	38552	CG11349	0	0	1	0.0928333	0	0
FBgn00355	38553	CG7465	0	0	1	0.0928333	0	0
FBgn00355	38554	CG11350	0	0	1	0.0928333	0	0
FBgn00355	38556	CG13721	0	0	1	0.0928333	0	0
FBgn00355	38574	CG13712	0	0	1	0.0928333	0	0
FBgn00356	38658	CG5568	0	0	1	0.0928333	0.0291016	0.030598
FBgn00356	38697	CG10467	0	0	1	0.0928333	44.1051	46.3732
FBgn00356	38711	CG13297	0	0	1	0.0928333	0	0
FBgn00356	38712	Cpr65Az	0	0	1	0.0928333	0.0386203	0.040606
FBgn00356	38724	CG13299	0	0	1	0.0928333	0.900618	0.946931
FBgn00357	38773	Cpr65Ea	0	0	1	0.0928333	0	0
FBgn00357	38826	CG8563	0	0	1	0.0928333	0.0917709	0.09649
FBgn00357	38838	CG8541	0	0	1	0.0928333	0	0
FBgn00358	38922	CG13678	0	0	1	0.0928333	0	0
FBgn00358	38935	Gr66a	0	0	1	0.0928333	0.719741	0.756753
FBgn00359	38971	CG6765	0	0	1	0.0928333	2.67356	2.81104

FBgn00359	38994	Pex7	0	0	1	0.0928333	0.259355	0.272692
FBgn00360	39174	CG6674	0	0	1	0.0928333	17.2183	18.1037
FBgn00361	39245	Elo68beta	0	0	1	0.0928333	0.794474	0.835329
FBgn00361	2768978	CG7377	0	0	1	0.0928333	0	0
FBgn00361	2768979	CG33268	0	0	1	0.0928333	0	0
FBgn00362	39355	obst-G	0	0	1	0.0928333	0	0
FBgn00362	39357	CG11570	0	0	1	0.0928333	0.0877179	0.092229
FBgn00365	2768962	CG6244	0	0	1	0.0928333	2.78612	2.92939
FBgn00365	39780	CG13054	0	0	1	0.0928333	0.228263	0.240001
FBgn00365	39781	CG13071	0	0	1	0.0928333	0.320352	0.336826
FBgn00365	39784	CG13068	0	0	1	0.0928333	0	0
FBgn00365	39786	CG13065	0	0	1	0.0928333	0.12322	0.129556
FBgn00365	39789	CG13048	0	0	1	0.0928333	0	0
FBgn00365	39791	CG13046	0	0	1	0.0928333	0	0
FBgn00365	39793	CG4962	0	0	1	0.0928333	0.467036	0.491052
FBgn00365	39794	CG4982	0	0	1	0.0928333	0	0
FBgn00365	39795	CG13044	0	0	1	0.0928333	0.133686	0.14056
FBgn00366	39796	CG13043	0	0	1	0.0928333	0	0
FBgn00366	39798	CG13042	0	0	1	0.0928333	0	0
FBgn00366	39806	CG13058	0	0	1	0.0928333	0.0917709	0.09649
FBgn00366	39840	CG4229	0	0	1	0.0928333	0	0
FBgn00366	39867	CG13031	0	0	1	0.0928333	0.120898	0.127115
FBgn00367	39931	CG13727	0	0	1	0.0928333	0	0
FBgn00367	40010	CG7320	0	0	1	0.0928333	0.426102	0.448014
FBgn00368	40050	CG6865	0	0	1	0.0928333	0.244155	0.256711
FBgn00368	40098	CG14088	0	0	1	0.0928333	0	0
FBgn00368	40112	CG14095	0	0	1	0.0928333	0	0
FBgn00369	40243	CG5665	0	0	1	0.0928333	0.140437	0.147659
FBgn00370	40352	Cpr78Ca	0	0	1	0.0928333	0.0634854	0.06675
FBgn00371	40417	CG14569	0	0	1	0.0928333	0	0
FBgn00371	40419	CG14573	0	0	1	0.0928333	0	0
FBgn00371	40421	CG14566	0	0	1	0.0928333	0.0783284	0.082356
FBgn00371	40435	CG14563	0	0	1	0.0928333	0	0
FBgn00372	40534	TwdlF	0	0	1	0.0928333	0.0450309	0.047347

FBgn00372	40600	CG1126	0	0	1	0.0928333	0.588739	0.619014
FBgn00373	12798037	CR1075	0	0	1	0.0928333	0	0
FBgn00374	40761	Osi7	0	0	1	0.0928333	0.0826962	0.086949
FBgn00374	40775	Osi18	0	0	1	0.0928333	0	0
FBgn00374	40776	Osi19	0	0	1	0.0928333	0	0
FBgn00374	40777	Osi20	0	0	1	0.0928333	0.0659966	0.06939
FBgn00374	40877	CR10032	0	0	1	0.0928333	0	0
FBgn00375	41006	Obp85a	0	0	1	0.0928333	0.0512092	0.053843
FBgn00375	41008	Or85c	0	0	1	0.0928333	0.0712989	0.074965
FBgn00375	41011	Or85d	0	0	1	0.0928333	0.0224428	0.023597
FBgn00377	41210	CG8534	0	0	1	0.0928333	0.589837	0.620168
FBgn00378	41270	Rrp46	0	0	1	0.0928333	4.5156	4.74781
FBgn00381	41632	Osi22	0	0	1	0.0928333	0.0721	0.075808
FBgn00381	41651	yellow-e3	0	0	1	0.0928333	0	0
FBgn00381	41663	CG9269	0	0	1	0.0928333	0	0
FBgn00382	41763	CG14851	0	0	1	0.0928333	0	0
FBgn00382	41764	CG8087	0	0	1	0.0928333	0	0
FBgn00385	42119	CG14324	0	0	1	0.0928333	0	0
FBgn00385	42120	CG14326	0	0	1	0.0928333	0	0
FBgn00386	42203	PKD	0	0	1	0.0928333	11.2103	11.7867
FBgn00386	3346166	CG14300	0	0	1	0.0928333	0	0
FBgn00386	42250	CG7714	0	0	1	0.0928333	0.116712	0.122714
FBgn00386	42251	CG7715	0	0	1	0.0928333	0.0337869	0.035524
FBgn00386	42287	CG6026	0	0	1	0.0928333	0.0509185	0.053537
FBgn00387	42347	CG7432	0	0	1	0.0928333	0.123754	0.130118
FBgn00387	42409	CG4367	0	0	1	0.0928333	0	0
FBgn00387	42425	Or92a	0	0	1	0.0928333	0.0901348	0.09477
FBgn00388	42495	HHEX	0	0	1	0.0928333	0.0219468	0.023075
FBgn00388	42522	CG5892	0	0	1	0.0928333	0.0955142	0.100426
FBgn00388	42529	CG17298	0	0	1	0.0928333	0	0
FBgn00389	42610	CG13862	0	0	1	0.0928333	0	0
FBgn00390	2768677	p53	0	0	1	0.0928333	7.23804	7.61025
FBgn00390	42769	Ir94h	0	0	1	0.0928333	0	0
FBgn00391	42915	CG5768	0	0	1	0.0928333	0.294959	0.310127

FBgn00392	43025	CG13653	0	0	1	0.0928333	0	0
FBgn00393	43086	CG4582	0	0	1	0.0928333	0.0632687	0.066522
FBgn00394	43202	TwdlB	0	0	1	0.0928333	0.0542568	0.057047
FBgn00394	43203	TwdlL	0	0	1	0.0928333	0.15651	0.164558
FBgn00394	43204	TwdlO	0	0	1	0.0928333	0.0344567	0.036229
FBgn00394	43205	TwdlK	0	0	1	0.0928333	0	0
FBgn00394	43206	TwdlJ	0	0	1	0.0928333	0	0
FBgn00394	43207	TwdlN	0	0	1	0.0928333	0	0
FBgn00394	43214	TwdlQ	0	0	1	0.0928333	0	0
FBgn00395	43307	CG13972	0	0	1	0.0928333	0.0412867	0.04341
FBgn00395	43341	Or98a	0	0	1	0.0928333	0.0465772	0.048972
FBgn00395	43389	CG14062	0	0	1	0.0928333	0	0
FBgn00396	43454	CG14515	0	0	1	0.0928333	0.0870316	0.091507
FBgn00399	10178819	CR12798	0	0	1	0.0928333	0	0
FBgn00400	53428	wds	0	0	1	0.0928333	9.97824	10.4914
FBgn00402	53512	Ugt36Bb	0	0	1	0.0928333	0.154481	0.162425
FBgn00403	31048	TfIIA-S-2	0	0	1	0.0928333	3.18993	3.35397
FBgn00403	31273	CG14416	0	0	1	0.0928333	0.121559	0.12781
FBgn00403	31274	CG14417	0	0	1	0.0928333	0	0
FBgn00403	31275	CG14418	0	0	1	0.0928333	0	0
FBgn00403	31068	CG14624	0	0	1	0.0928333	0	0
FBgn00403	31069	CG11382	0	0	1	0.0928333	0.044278	0.046555
FBgn00403	31297	CG14265	0	0	1	0.0928333	0	0
FBgn00405	50026	CG14374	0	0	1	0.0928333	0	0
FBgn00405	50042	CR14310	0	0	1	0.0928333	0	0
FBgn00406	50080	CG14244	0	0	1	0.0928333	0.0572152	0.060157
FBgn00406	50107	CG4186	0	0	1	0.0928333	10.7093	11.26
FBgn00407	50210	Tango8	0	0	1	0.0928333	0	0
FBgn00407	50259	CG14104	0	0	1	0.0928333	8.93528	9.39476
FBgn00407	2768963	CG13064	0	0	1	0.0928333	0	0
FBgn00407	50270	CG13066	0	0	1	0.0928333	0	0
FBgn00407	50271	CG13069	0	0	1	0.0928333	0	0
FBgn00407	5740583	CG13051	0	0	1	0.0928333	0	0
FBgn00408	50315	CG15212	0	0	1	0.0928333	0.18746	0.1971

FBgn00412	39324	Gr68a	0	0	1	0.0928333	0	0
FBgn00412	192481	Gr59c	0	0	1	0.0928333	0	0
FBgn00412	37501	Gr58c	0	0	1	0.0928333	0.0673283	0.070791
FBgn00412	37502	Gr58b	0	0	1	0.0928333	0.0197771	0.020794
FBgn00412	37347	Gr57a	0	0	1	0.0928333	0	0
FBgn00421	59157	Cpr65Ax2	0	0	1	0.0928333	0	0
FBgn00421	59224	CG17239	0	0	1	0.0928333	0	0
FBgn00422	59239	CG18764	0	0	1	0.0928333	2.98648	3.14006
FBgn00422	59241	CG18530	0	0	1	0.0928333	8.47305	8.90877
FBgn00430	3772339	snRNA:U5::	0	0	1	0.0928333	0	0
FBgn00430	3771824	snRNA:U5::	0	0	1	0.0928333	0	0
FBgn00438	3772530	scaRNA:Me	0	0	1	0.0928333	2.81586	2.96066
FBgn00454	117475	Gr85a	0	0	1	0.0928333	0.0232886	0.024486
FBgn00454	117485	Gr59a	0	0	1	0.0928333	0	0
FBgn00454	117486	Gr36c	0	0	1	0.0928333	0.0237055	0.024925
FBgn00454	117496	Gr28b	0	0	1	0.0928333	0.339105	0.356543
FBgn00454	117498	Gr22e	0	0	1	0.0928333	0.0950652	0.099954
FBgn00454	14462661	Gr22d	0	0	1	0.0928333	0	0
FBgn00455	117500	Gr22a	0	0	1	0.0928333	0	0
FBgn00463	3355174	ORY	0	0	1	0.0928333	1.87403	1.9704
FBgn00468	117336	Gr98c	0	0	1	0.0928333	0	0
FBgn00468	170887	CG31750	0	0	1	0.0928333	0.022552	0.023712
FBgn00470	3772297	CR32730	0	0	1	0.0928333	0	0
FBgn00501	3772487	tRNA:Trp-C	0	0	1	0.0928333	0	0
FBgn00501	246504	ppk3	0	0	1	0.0928333	0.121049	0.127273
FBgn00501	3772480	tRNA:Ala-C	0	0	1	0.0928333	0	0
FBgn00501	3771769	tRNA:Ala-C	0	0	1	0.0928333	0	0
FBgn00502	3772296	tRNA:Ser-T	0	0	1	0.0928333	0	0
FBgn00502	3772466	tRNA:Ser-T	0	0	1	0.0928333	0	0
FBgn00502	3772643	tRNA:Trp-C	0	0	1	0.0928333	0	0
FBgn00502	3771739	tRNA:Trp-C	0	0	1	0.0928333	0	0
FBgn00502	3772714	tRNA:Trp-C	0	0	1	0.0928333	0	0
FBgn00502	3772654	tRNA:Trp-C	0	0	1	0.0928333	0	0
FBgn00502	3771887	tRNA:Arg-C	0	0	1	0.0928333	0	0

FBgn00502	3772168	tRNA:Ile-AA	0	0	1	0.0928333	0	0
FBgn00502	3772615	tRNA:iMet-	0	0	1	0.0928333	0	0
FBgn00502	3771898	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00502	3772281	tRNA:Val-A	0	0	1	0.0928333	0	0
FBgn00502	3771843	tRNA:Trp-C	0	0	1	0.0928333	0	0
FBgn00502	3772226	tRNA:Phe-C	0	0	1	0.0928333	0	0
FBgn00502	3772303	tRNA:Ala-T	0	0	1	0.0928333	0	0
FBgn00502	3772340	tRNA:Leu-A	0	0	1	0.0928333	0	0
FBgn00502	3772321	tRNA:Leu-A	0	0	1	0.0928333	0	0
FBgn00502	3772488	tRNA:Glu-T	0	0	1	0.0928333	0	0
FBgn00502	3771767	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00502	3772286	tRNA:Glu-T	0	0	1	0.0928333	0	0
FBgn00502	3772273	tRNA:Leu-A	0	0	1	0.0928333	0	0
FBgn00502	3771766	tRNA:His-G	0	0	1	0.0928333	0	0
FBgn00502	3772151	tRNA:His-G	0	0	1	0.0928333	0	0
FBgn00502	3772454	tRNA:His-G	0	0	1	0.0928333	0	0
FBgn00502	3772498	tRNA:Arg-T	0	0	1	0.0928333	0	0
FBgn00502	3771937	tRNA:Thr-T	0	0	1	0.0928333	0	0
FBgn00502	3772684	tRNA:Ile-AA	0	0	1	0.0928333	0	0
FBgn00502	3771794	tRNA:Thr-A	0	0	1	0.0928333	0	0
FBgn00503	3772036	tRNA:Arg-A	0	0	1	0.0928333	0	0
FBgn00503	3772512	tRNA:Val-A	0	0	1	0.0928333	0	0
FBgn00503	3772089	tRNA:Phe-C	0	0	1	0.0928333	0	0
FBgn00503	50252	CG30377	0	0	1	0.0928333	0.340934	0.358466
FBgn00503	246578	CG30379	0	0	1	0.0928333	0.156569	0.16462
FBgn00504	3772023	tRNA:Gly-T	0	0	1	0.0928333	0	0
FBgn00504	3771741	tRNA:Gly-T	0	0	1	0.0928333	0	0
FBgn00504	246601	CG30413	0	0	1	0.0928333	0.105728	0.111165
FBgn00504	3771804	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00504	3772395	tRNA:iMet-	0	0	1	0.0928333	0	0
FBgn00504	3772595	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00504	36940	CG30457	0	0	1	0.0928333	0	0
FBgn00504	246624	CG30458	0	0	1	0.0928333	0	0
FBgn00504	246633	CG30471	0	0	1	0.0928333	0.0570977	0.060034

FBgn00505	3772144	tRNA:Thr-T	0	0	1	0.0928333	0	0
FBgn00505	3771942	tRNA:Ile-AA	0	0	1	0.0928333	0	0
FBgn00510	3772407	tRNA:Leu-T	0	0	1	0.0928333	0	0
FBgn00510	318575	ppk31	0	0	1	0.0928333	1.44963	1.52418
FBgn00510	3772589	tRNA:Gln-T	0	0	1	0.0928333	0	0
FBgn00510	3772562	tRNA:Gln-T	0	0	1	0.0928333	0	0
FBgn00510	43208	TwdlH	0	0	1	0.0928333	0	0
FBgn00511	3772031	tRNA:Leu-T	0	0	1	0.0928333	0	0
FBgn00511	3772601	tRNA:Leu-C	0	0	1	0.0928333	0	0
FBgn00511	3772501	tRNA:Ser-G	0	0	1	0.0928333	0	0
FBgn00511	3772459	tRNA:Ser-G	0	0	1	0.0928333	0	0
FBgn00511	3772051	tRNA:Ser-G	0	0	1	0.0928333	0	0
FBgn00511	3771763	tRNA:Ser-G	0	0	1	0.0928333	0	0
FBgn00512	3772372	tRNA:Ala-A	0	0	1	0.0928333	0	0
FBgn00512	318632	Ir94f	0	0	1	0.0928333	0	0
FBgn00512	3772457	tRNA:Gly-T	0	0	1	0.0928333	0	0
FBgn00512	318649	CG31262	0	0	1	0.0928333	0.0237562	0.024978
FBgn00512	318652	CG31268	0	0	1	0.0928333	0.0336438	0.035374
FBgn00513	3772014	tRNA:Phe-C	0	0	1	0.0928333	0	0
FBgn00513	3771865	tRNA:Thr-C	0	0	1	0.0928333	0	0
FBgn00513	3771835	tRNA:Thr-C	0	0	1	0.0928333	0	0
FBgn00513	318688	CG31337	0	0	1	0.0928333	0.0982565	0.103309
FBgn00513	3771902	tRNA:Thr-T	0	0	1	0.0928333	0	0
FBgn00513	3771918	tRNA:Asp-G	0	0	1	0.0928333	0	0
FBgn00514	3772178	tRNA:Asp-G	0	0	1	0.0928333	0	0
FBgn00514	3772291	tRNA:Thr-T	0	0	1	0.0928333	0	0
FBgn00514	3771819	tRNA:Thr-A	0	0	1	0.0928333	0	0
FBgn00514	3772548	tRNA:Thr-C	0	0	1	0.0928333	0	0
FBgn00514	3772041	tRNA:Lys-C	0	0	1	0.0928333	0	0
FBgn00514	3771939	tRNA:Gly-T	0	0	1	0.0928333	0	0
FBgn00514	3771780	tRNA:Gly-T	0	0	1	0.0928333	0.386203	0.406063
FBgn00514	3772060	tRNA:Thr-A	0	0	1	0.0928333	0	0
FBgn00515	3772664	tRNA:Leu-T	0	0	1	0.0928333	0	0
FBgn00515	3772627	tRNA:Gly-T	0	0	1	0.0928333	0	0

FBgn00515	40772	CG31560	0	0	1	0.0928333	0	0
FBgn00515	318801	Osi16	0	0	1	0.0928333	0	0
FBgn00515	3772134	tRNA:Ala-A	0	0	1	0.0928333	0	0
FBgn00515	3772361	tRNA:Ala-A	0	0	1	0.0928333	0	0
FBgn00515	3772341	tRNA:Pro-T	0	0	1	0.0928333	0	0
FBgn00515	3772245	tRNA:Ala-A	0	0	1	0.0928333	0	0
FBgn00515	3771921	tRNA:Pro-T	0	0	1	0.0928333	0	0
FBgn00515	3772003	tRNA:Ala-A	0	0	1	0.0928333	0	0
FBgn00515	3772215	tRNA:Ala-A	0	0	1	0.0928333	0	0
FBgn00515	3772485	tRNA:Asn-C	0	0	1	0.0928333	0	0
FBgn00515	3771933	tRNA:Phe-C	0	0	1	0.0928333	0	0
FBgn00515	3772052	tRNA:Val-A	0	0	1	0.0928333	0	0
FBgn00516	3772028	tRNA:Asp-C	0	0	1	0.0928333	0	0
FBgn00516	3771974	tRNA:Asp-C	0	0	1	0.0928333	0	0
FBgn00516	3772683	tRNA:Asp-C	0	0	1	0.0928333	0	0
FBgn00516	3772087	His-Psi:CR3	0	0	1	0.0928333	1.4124	1.48503
FBgn00516	3772364	tRNA:Arg-C	0	0	1	0.0928333	0	0
FBgn00516	12798562	CR31647	0	0	1	0.0928333	0.0550625	0.057894
FBgn00516	33395	CG31668	0	0	1	0.0928333	0.0849921	0.089363
FBgn00516	318888	CG31698	0	0	1	0.0928333	0	0
FBgn00517	318912	Ir31a	0	0	1	0.0928333	0.233462	0.245468
FBgn00517	34331	SoYb	0	0	1	0.0928333	1.4954	1.5723
FBgn00518	318957	CG31813	0	0	1	0.0928333	0	0
FBgn00518	10178848	CR31824	0	0	1	0.0928333	0	0
FBgn00518	19835558	CR31840	0	0	1	0.0928333	0	0
FBgn00518	318989	CG31862	0	0	1	0.0928333	0.0441374	0.046407
FBgn00518	318997	Cpr30F	0	0	1	0.0928333	0	0
FBgn00518	3772669	tRNA:Thr-A	0	0	1	0.0928333	0	0
FBgn00518	3771894	tRNA:Asp-C	0	0	1	0.0928333	0	0
FBgn00518	3771858	tRNA:Asp-C	0	0	1	0.0928333	0	0
FBgn00518	3772428	tRNA:Asp-C	0	0	1	0.0928333	0	0
FBgn00518	3771797	tRNA:Asp-C	0	0	1	0.0928333	0	0
FBgn00518	3771750	tRNA:Phe-C	0	0	1	0.0928333	0	0
FBgn00518	3772570	tRNA:Asp-C	0	0	1	0.0928333	0	0

FBgn00519	3771907	tRNA:Asp-C	0	0	1	0.0928333	0	0
FBgn00519	326174	CG31926	0	0	1	0.0928333	0	0
FBgn00519	3772443	tRNA:Gln-C	0	0	1	0.0928333	0	0
FBgn00519	3772267	tRNA:Gln-C	0	0	1	0.0928333	0	0
FBgn00519	3772425	tRNA:Arg-T	0	0	1	0.0928333	0	0
FBgn00519	3772350	tRNA:Gln-C	0	0	1	0.0928333	0	0
FBgn00519	3772629	tRNA:Gln-C	0	0	1	0.0928333	0	0
FBgn00519	3771975	tRNA:Trp-C	0	0	1	0.0928333	0	0
FBgn00519	3772550	tRNA:Asp-C	0	0	1	0.0928333	0	0
FBgn00520	3772416	tRNA:Thr-A	0	0	1	0.0928333	0	0
FBgn00520	317838	Ir67c	0	0	1	0.0928333	0.0322957	0.033957
FBgn00520	39246	CG32071	0	0	1	0.0928333	0.122766	0.12908
FBgn00520	3772521	tRNA:Gln-T	0	0	1	0.0928333	0	0
FBgn00521	317854	CG32102	0	0	1	0.0928333	0	0
FBgn00521	3772697	tRNA:CR32	0	0	1	0.0928333	0	0
FBgn00521	3772674	tRNA:Pro-A	0	0	1	0.0928333	0	0
FBgn00521	3772385	tRNA:Leu-C	0	0	1	0.0928333	0	0
FBgn00521	3771954	tRNA:Pro-A	0	0	1	0.0928333	0	0
FBgn00521	3771725	tRNA:Pro-A	0	0	1	0.0928333	0	0
FBgn00521	3772452	tRNA:Met-(	0	0	1	0.0928333	0	0
FBgn00521	12797918	CR32160	0	0	1	0.0928333	0.0260118	0.027349
FBgn00521	3772651	tRNA:Pro-C	0	0	1	0.0928333	0	0
FBgn00521	317898	CG32182	0	0	1	0.0928333	0.501367	0.527149
FBgn00522	317916	825-Oak	0	0	1	0.0928333	0.162295	0.170641
FBgn00522	317919	CG32214	0	0	1	0.0928333	0.0367812	0.038673
FBgn00522	317938	CG32248	0	0	1	0.0928333	0	0
FBgn00522	317939	CG32249	0	0	1	0.0928333	0.0292393	0.030743
FBgn00522	38416	Drsl6	0	0	1	0.0928333	0.0718516	0.075547
FBgn00522	3772150	tRNA:Lys-C	0	0	1	0.0928333	0	0
FBgn00522	3772117	tRNA:Met-(	0	0	1	0.0928333	0	0
FBgn00522	326207	Drsl1	0	0	1	0.0928333	0	0
FBgn00522	3772006	tRNA:Lys-C	0	0	1	0.0928333	0	0
FBgn00522	3772185	tRNA:Cys-C	0	0	1	0.0928333	0	0
FBgn00522	3772212	tRNA:Cys-C	0	0	1	0.0928333	0	0

FBgn00522	3771791	tRNA:Cys-G	0	0	1	0.0928333	0	0
FBgn00522	3772561	tRNA:Cys-G	0	0	1	0.0928333	0	0
FBgn00523	3771869	tRNA:Cys-G	0	0	1	0.0928333	0	0
FBgn00523	3772253	tRNA:Cys-G	0	0	1	0.0928333	0	0
FBgn00523	3772630	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00523	3772229	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00523	3772034	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00523	3772582	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00523	3771924	tRNA:Met-(	0	0	1	0.0928333	0	0
FBgn00523	3772285	tRNA:Leu-C	0	0	1	0.0928333	0	0
FBgn00523	3772019	tRNA:Leu-C	0	0	1	0.0928333	0	0
FBgn00523	3771743	tRNA:Leu-C	0	0	1	0.0928333	0	0
FBgn00523	3771969	tRNA:Leu-C	0	0	1	0.0928333	0	0
FBgn00523	3771906	tRNA:Leu-C	0	0	1	0.0928333	0	0
FBgn00523	3772162	tRNA:Leu-C	0	0	1	0.0928333	0	0
FBgn00523	3771884	tRNA:Ala-A	0	0	1	0.0928333	0	0
FBgn00523	318002	CG32376	0	0	1	0.0928333	0	0
FBgn00524	38706	Cpr65Aw	0	0	1	0.0928333	0	0
FBgn00524	318014	Cpr65Av	0	0	1	0.0928333	0.0433124	0.04554
FBgn00524	3772316	tRNA:Val-T	0	0	1	0.0928333	0	0
FBgn00524	3771988	tRNA:Val-T	0	0	1	0.0928333	0	0
FBgn00524	3772035	tRNA:Cys-G	0	0	1	0.0928333	0	0
FBgn00524	318036	CG32453	0	0	1	0.0928333	0.0375258	0.039456
FBgn00524	3772537	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00524	3772410	tRNA:Ile-TA	0	0	1	0.0928333	0	0
FBgn00524	3772123	tRNA:Ile-TA	0	0	1	0.0928333	0	0
FBgn00524	3771740	tRNA:iMet-	0	0	1	0.0928333	0	0
FBgn00524	3772230	tRNA:Gln-T	0	0	1	0.0928333	0	0
FBgn00525	3772200	tRNA:Ile-AA	0	0	1	0.0928333	0	0
FBgn00525	3772698	tRNA:Tyr-G	0	0	1	0.0928333	0	0
FBgn00525	3771861	tRNA:Tyr-G	0	0	1	0.0928333	0	0
FBgn00525	3772384	tRNA:Pro-C	0	0	1	0.0928333	0	0
FBgn00526	32384	Muc12Ea	0	0	1	0.0928333	0.263504	0.277054
FBgn00526	32311	CG32631	0	0	1	0.0928333	0	0

FBgn00526	318137	CG32642	0	0	1	0.0928333	0	0
FBgn00526	318147	CG32668	0	0	1	0.0928333	0.4676	0.491645
FBgn00527	3772553	tRNA:Phe-(	0	0	1	0.0928333	0	0
FBgn00527	3772400	tRNA:Phe-(	0	0	1	0.0928333	0	0
FBgn00527	318189	CG32751	0	0	1	0.0928333	0.0632687	0.066522
FBgn00527	3772070	tRNA:Glu-C	0	0	1	0.0928333	0	0
FBgn00527	318198	CG32762	0	0	1	0.0928333	0	0
FBgn00527	3772526	tRNA:Gln-C	0	0	1	0.0928333	0	0
FBgn00528	3772294	tRNA:Pro-C	0	0	1	0.0928333	0	0
FBgn00528	318238	CG32834	0	0	1	0.0928333	0.0317427	0.033375
FBgn00531	318901	CG33159	0	0	1	0.0928333	0.179629	0.188866
FBgn00532	2768902	Ste:CG3323	0	0	1	0.0928333	0.137204	0.144259
FBgn00532	2768960	CG33257	0	0	1	0.0928333	0	0
FBgn00532	2768975	CG33262	0	0	1	0.0928333	0	0
FBgn00532	2768949	Urm1	0	0	1	0.0928333	7.04054	7.40259
FBgn00533	3771801	CR33315	0	0	1	0.0928333	0.0660489	0.069445
FBgn00533	2768683	CG33341	0	0	1	0.0928333	0	0
FBgn00533	3771903	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772306	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3771980	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3771765	5SrRNA-Psi	0	0	1	0.0928333	0	0
FBgn00533	3771929	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772704	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772352	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772136	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3771810	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772620	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772399	5SrRNA-Psi	0	0	1	0.0928333	0	0
FBgn00533	3772170	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3771950	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772469	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772240	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772044	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3771831	5SrRNA:CR	0	0	1	0.0928333	0	0

FBgn00533	3771862	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3771855	5SrRNA-Psi	0	0	1	0.0928333	0	0
FBgn00533	3772695	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772417	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772009	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3771737	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772572	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772287	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772386	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772545	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772328	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772363	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772142	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3771944	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772478	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772241	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772038	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772703	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772414	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772010	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3771742	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772578	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772284	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772388	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772115	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772685	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772243	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3771979	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3771820	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00533	3772534	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772642	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772348	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772184	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772307	5SrRNA:CR	0	0	1	0.0928333	0	0

FBgn00534	3772343	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772131	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771930	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772705	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772255	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772059	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771839	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771878	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772389	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772107	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771961	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772668	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772249	5SrRNA-Psi	0	0	1	0.0928333	0	0
FBgn00534	3771978	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771827	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772528	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771748	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772522	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772295	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772092	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772098	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771889	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772667	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772445	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772398	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772116	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771963	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772681	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772260	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771982	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771834	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772543	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772001	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771787	5SrRNA:CR	0	0	1	0.0928333	0	0

FBgn00534	3771953	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772593	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772377	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772040	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771833	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772481	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772252	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772510	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772272	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772078	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772103	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3771896	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772673	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772455	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	3772017	5SrRNA:CR	0	0	1	0.0928333	0	0
FBgn00534	2768850	CG33454	0	0	1	0.0928333	0	0
FBgn00534	2768844	CG33463	0	0	1	0.0928333	0	0
FBgn00534	2768726	CG33477	0	0	1	0.0928333	0	0
FBgn00534	2768693	CG33483	0	0	1	0.0928333	0.105863	0.111307
FBgn00534	19835904	CR33498	0	0	1	0.0928333	0.0753566	0.079232
FBgn00535	3772175	snRNA:U7	0	0	1	0.0928333	0	0
FBgn00535	3772223	tRNA:Ala-A	0	0	1	0.0928333	0	0
FBgn00535	3772259	tRNA:Glu-T	0	0	1	0.0928333	0	0
FBgn00535	3772143	tRNA:Arg-C	0	0	1	0.0928333	0	0
FBgn00535	3772153	tRNA:Arg-T	0	0	1	0.0928333	0.761824	0.801
FBgn00536	3772504	CG33630	0	0	1	0.0928333	0.0435158	0.045754
FBgn00536	3772011	CG33643	0	0	1	0.0928333	0.0517814	0.054444
FBgn00536	3772563	CG33644	0	0	1	0.0928333	0	0
FBgn00536	3771913	CG33645	0	0	1	0.0928333	0.0532693	0.056009
FBgn00536	3772049	CG33647	0	0	1	0.0928333	0	0
FBgn00536	3772188	CG33648	0	0	1	0.0928333	0.0877179	0.092229
FBgn00536	3771724	CG33680	0	0	1	0.0928333	0.0332217	0.03493
FBgn00536	3772322	CG33687	0	0	1	0.0928333	0.0351093	0.036915
FBgn00536	3772065	CG33688	0	0	1	0.0928333	0	0

FBgn00536	3771798	CG33689	0	0	1	0.0928333	0	0
FBgn00536	3772513	CG33690	0	0	1	0.0928333	0	0
FBgn00537	3772701	CR33701	0	0	1	0.0928333	0	0
FBgn00537	3771760	CG33703	0	0	1	0.0928333	0.0509278	0.053547
FBgn00537	3885576	CG33721	0	0	1	0.0928333	0.0509278	0.053547
FBgn00537	3771837	snmRNA:43	0	0	1	0.0928333	2.31722	2.43638
FBgn00537	3772071	snmRNA:43	0	0	1	0.0928333	2.31722	2.43638
FBgn00537	3771972	snmRNA:43	0	0	1	0.0928333	2.31722	2.43638
FBgn00537	3772660	snmRNA:43	0	0	1	0.0928333	2.31722	2.43638
FBgn00537	3771841	snmRNA:43	0	0	1	0.0928333	1.54481	1.62425
FBgn00537	3771860	CG33752	0	0	1	0.0928333	0	0
FBgn00537	3772289	CG33764	0	0	1	0.0928333	0	0
FBgn00537	3771840	CG33768	0	0	1	0.0928333	0	0
FBgn00537	3772424	CG33771	0	0	1	0.0928333	0	0
FBgn00537	3772205	CG33772	0	0	1	0.0928333	0	0
FBgn00537	3772625	CG33795	0	0	1	0.0928333	0.103563	0.108888
FBgn00537	3772108	CG33798	0	0	1	0.0928333	0.0517814	0.054444
FBgn00538	3772056	His1:CG338	0	0	1	0.0928333	0.108726	0.114317
FBgn00538	3771911	His1:CG338	0	0	1	0.0928333	0.0815442	0.085738
FBgn00538	3772077	His1:CG338	0	0	1	0.0928333	0.135907	0.142896
FBgn00538	3771912	His1:CG338	0	0	1	0.0928333	0.108726	0.114317
FBgn00538	3772581	His1:CG338	0	0	1	0.0928333	0.108726	0.114317
FBgn00538	3771854	His4:CG338	0	0	1	0.0928333	0	0
FBgn00538	3772708	His4:CG338	0	0	1	0.0928333	0	0
FBgn00538	3772113	His4:CG338	0	0	1	0.0928333	0	0
FBgn00538	3772083	His2B:CG33	0	0	1	0.0928333	2.75729	2.89908
FBgn00538	3772211	His4:CG338	0	0	1	0.0928333	0	0
FBgn00538	3772319	His4:CG338	0	0	1	0.0928333	0	0
FBgn00538	3772129	His4:CG338	0	0	1	0.0928333	0	0
FBgn00538	3771947	His4:CG338	0	0	1	0.0928333	0.0673283	0.070791
FBgn00538	3772172	His4:CG338	0	0	1	0.0928333	0	0
FBgn00538	3772317	His4:CG338	0	0	1	0.0928333	0	0
FBgn00538	3772314	His4:CG338	0	0	1	0.0928333	0	0
FBgn00538	3772325	His4:CG338	0	0	1	0.0928333	0	0

FBgn00538	3772096	His4:CG338	0	0	1	0.0928333	0	0
FBgn00538	3772248	His2B:CG33	0	0	1	0.0928333	2.57036	2.70253
FBgn00538	3771938	His4:CG338	0	0	1	0.0928333	0	0
FBgn00539	3772666	His4:CG339	0	0	1	0.0928333	0	0
FBgn00539	3771893	His4:CG339	0	0	1	0.0928333	0.0673283	0.070791
FBgn00539	3772299	His2B:CG33	0	0	1	0.0928333	2.47689	2.60426
FBgn00539	3772438	CG33912	0	0	1	0.0928333	0	0
FBgn00540	19834888	CR34006	0	0	1	0.0928333	0	0
FBgn00540	12798098	CR34052	0	0	1	0.0928333	0.0627688	0.065997
FBgn00581	10178842	CR40182	0	0	1	0.0928333	0	0
FBgn00584	10178882	CR40441	0	0	1	0.0928333	0	0
FBgn00584	10178849	CR40461	0	0	1	0.0928333	0	0
FBgn00630	3772461	pncr015:3L	0	0	1	0.0928333	1.13112	1.18928
FBgn00633	3772086	snoRNA:Me	0	0	1	0.0928333	1.61198	1.69487
FBgn00650	3772408	snoRNA:U3	0	0	1	0.0928333	0	0
FBgn00650	3771755	snoRNA:18	0	0	1	0.0928333	0	0
FBgn00651	3771904	snmRNA:15	0	0	1	0.0928333	6.46665	6.79919
FBgn00674	3772262	Or98P	0	0	1	0.0928333	0	0
FBgn00829	5740859	snoRNA:Or	0	0	1	0.0928333	0.567481	0.596663
FBgn00829	5740810	snoRNA:Me	0	0	1	0.0928333	0	0
FBgn00829	5740184	snoRNA:Me	0	0	1	0.0928333	1.14274	1.2015
FBgn00829	5740641	snoRNA:Me	0	0	1	0.0928333	1.05595	1.11025
FBgn00829	5740227	snoRNA:Psi	0	0	1	0.0928333	0.198618	0.208832
FBgn00829	5740753	snoRNA:Psi	0	0	1	0.0928333	0	0
FBgn00829	5740543	snoRNA:Psi	0	0	1	0.0928333	0.198618	0.208832
FBgn00829	5740289	snoRNA:Psi	0	0	1	0.0928333	0.198618	0.208832
FBgn00829	5740182	snoRNA:Psi	0	0	1	0.0928333	0	0
FBgn00829	5740797	snoRNA:Psi	0	0	1	0.0928333	0	0
FBgn00829	5740263	snoRNA:Psi	0	0	1	0.0928333	2.58204	2.71482
FBgn00830	5740570	snoRNA:Psi	0	0	1	0.0928333	1.9721	2.07351
FBgn00830	5740818	snoRNA:Psi	0	0	1	0.0928333	0.391642	0.411782
FBgn00830	5740833	snoRNA:Psi	0	0	1	0.0928333	1.29764	1.36437
FBgn00830	5740302	snoRNA:Psi	0	0	1	0.0928333	0	0
FBgn00830	5740741	snoRNA:Psi	0	0	1	0.0928333	0	0

FBgn00830	5740684	snoRNA:Psi	0	0	1	0.0928333	0	0
FBgn00830	5740659	snoRNA:Psi	0	0	1	0.0928333	0.441374	0.464072
FBgn00830	5740315	snoRNA:Psi	0	0	1	0.0928333	0.212264	0.223179
FBgn00830	5740277	snoRNA:Psi	0	0	1	0.0928333	0.217239	0.22841
FBgn00830	5740620	snoRNA:Psi	0	0	1	0.0928333	0.202968	0.213405
FBgn00830	5740734	snoRNA:Psi	0	0	1	0.0928333	0	0
FBgn00830	5740881	snoRNA:Psi	0	0	1	0.0928333	0.20446	0.214974
FBgn00830	5740556	snoRNA:Psi	0	0	1	0.0928333	0.205975	0.216567
FBgn00830	5740100	snoRNA:Psi	0	0	1	0.0928333	0.213897	0.224896
FBgn00830	5740835	snoRNA:Psi	0	0	1	0.0928333	0	0
FBgn00830	5740385	snoRNA:Psi	0	0	1	0.0928333	0.207512	0.218183
FBgn00830	5740283	snoRNA:Psi	0	0	1	0.0928333	0	0
FBgn00830	5740770	snoRNA:Psi	0	0	1	0.0928333	1.82671	1.92065
FBgn00830	5740792	snoRNA:Psi	0	0	1	0.0928333	1.84014	1.93477
FBgn00830	5740220	snoRNA:Psi	0	0	1	0.0928333	0.194452	0.204451
FBgn00830	5740506	snoRNA:Psi	0	0	1	0.0928333	0.80019	0.841338
FBgn00852	5740440	CG34190	0	0	1	0.0928333	0.606689	0.637887
FBgn00852	5740128	CG34199	0	0	1	0.0928333	0.0400671	0.042128
FBgn00852	5740368	CG34201	0	0	1	0.0928333	0	0
FBgn00852	5740498	CG34202	0	0	1	0.0928333	0	0
FBgn00852	5740431	CG34223	0	0	1	0.0928333	0	0
FBgn00852	5740585	CG34224	0	0	1	0.0928333	0	0
FBgn00852	5740883	CG34248	0	0	1	0.0928333	0	0
FBgn00852	5740551	CG34260	0	0	1	0.0928333	0.256046	0.269213
FBgn00852	5740365	CG34267	0	0	1	0.0928333	0	0
FBgn00852	5740141	CG34268	0	0	1	0.0928333	0	0
FBgn00853	5740348	Cpr65Ay	0	0	1	0.0928333	0	0
FBgn00853	5740836	CG34273	0	0	1	0.0928333	1.05989	1.1144
FBgn00853	5740656	CG34278	0	0	1	0.0928333	0.161666	0.16998
FBgn00853	42248	CG34282	0	0	1	0.0928333	0	0
FBgn00853	5740662	CG34296	0	0	1	0.0928333	0.264825	0.278443
FBgn00853	5740802	CG34297	0	0	1	0.0928333	0.0722249	0.075939
FBgn00853	5740334	CG34300	0	0	1	0.0928333	15.53	16.3287
FBgn00853	5740723	CG34303	0	0	1	0.0928333	0.0662062	0.069611

FBgn00853	26067088	CR34320	0	0	1	0.0928333	0	0
FBgn00853	5740714	CG34327	0	0	1	0.0928333	0	0
FBgn00853	5740271	Vml	0	0	1	0.0928333	0.0567481	0.059666
FBgn00853	5740569	CG34337	0	0	1	0.0928333	0	0
FBgn00853	5740687	CG34338	0	0	1	0.0928333	0	0
FBgn00854	5740606	CG34429	0	0	1	0.0928333	0	0
FBgn00854	5740745	CG34444	0	0	1	0.0928333	0	0
FBgn00855	26067091	CR40801	0	0	1	0.0928333	0.0941001	0.098939
FBgn00855	10178786	Su(Ste):CR4	0	0	1	0.0928333	0	0
FBgn00855	10178818	CR40947	0	0	1	0.0928333	0	0
FBgn00855	19835919	CR41257	0	0	1	0.0928333	2.29208	2.40995
FBgn00856	10178967	CR41519	0	0	1	0.0928333	0	0
FBgn00857	5740415	CR40561	0	0	1	0.0928333	0.0163857	0.017228
FBgn00857	5740830	CR40594	0	0	1	0.0928333	0	0
FBgn00857	5740119	CR40613	0	0	1	0.0928333	0.0333412	0.035056
FBgn00857	5740367	2SrRNA-Psi	0	0	1	0.0928333	0	0
FBgn00857	5740384	CR41509	0	0	1	0.0928333	1.44659	1.52097
FBgn00858	5740809	CR41571	0	0	1	0.0928333	0	0
FBgn00858	5740777	CR41591	0	0	1	0.0928333	0	0
FBgn00858	5740803	CR41621	0	0	1	0.0928333	0	0
FBgn00858	5740261	CR42201	0	0	1	0.0928333	0	0
FBgn00860	5740253	snoRNA:Mc	0	0	1	0.0928333	0	0
FBgn00860	5740278	snoRNA:Or	0	0	1	0.0928333	0.262326	0.275816
FBgn00860	5740422	snoRNA:Mc	0	0	1	0.0928333	0.415024	0.436366
FBgn00860	5740670	snoRNA:Mc	0	0	1	0.0928333	0	0
FBgn00860	5740104	snoRNA:Mc	0	0	1	0.0928333	0	0
FBgn00860	5740382	snoRNA:Mc	0	0	1	0.0928333	0	0
FBgn00860	5740587	snoRNA:Mc	0	0	1	0.0928333	0	0
FBgn00860	5740327	snoRNA:Mc	0	0	1	0.0928333	0.411949	0.433133
FBgn00860	5740145	snoRNA:Mc	0	0	1	0.0928333	0.278066	0.292365
FBgn00860	5740352	snoRNA:Mc	0	0	1	0.0928333	0.275313	0.28947
FBgn00860	5740434	snoRNA:Mc	0	0	1	0.0928333	0	0
FBgn00860	5740428	snoRNA:Mc	0	0	1	0.0928333	0	0
FBgn00860	5740251	snoRNA:Mc	0	0	1	0.0928333	0	0

FBgn00860	5740651	snoRNA:M	0	0	1	0.0928333	0	0
FBgn00860	5740487	snoRNA:M	0	0	1	0.0928333	0	0
FBgn00860	5740228	snoRNA:M	0	0	1	0.0928333	0	0
FBgn00860	5740387	snoRNA:M	0	0	1	0.0928333	0	0
FBgn00860	5740728	snoRNA:M	0	0	1	0.0928333	0	0
FBgn00860	5740358	snoRNA:M	0	0	1	0.0928333	0	0
FBgn00860	5740701	snoRNA:M	0	0	1	0.0928333	0	0
FBgn00860	5740406	snoRNA:M	0	0	1	0.0928333	0	0
FBgn00860	5740454	snoRNA:Or	0	0	1	0.0928333	0.312434	0.3285
FBgn00862	33828	Vm26Ac	0	0	1	0.0928333	0	0
FBgn00865	12798147	snoRNA:M	0	0	1	0.0928333	431.399	453.584
FBgn00866	3771901	snoRNA:Psi	0	0	1	0.0928333	0	0
FBgn00866	3772657	snoRNA:Psi	0	0	1	0.0928333	0.180562	0.189847
FBgn00866	3772055	snoRNA:Psi	0	0	1	0.0928333	1.60038	1.68268
FBgn00866	3771886	snoRNA:Psi	0	0	1	0.0928333	0.169552	0.178271
FBgn00866	3772235	snoRNA:Psi	0	0	1	0.0928333	0.595855	0.626497
FBgn00866	3772298	snoRNA:Or	0	0	1	0.0928333	3.94553	4.14842
FBgn00869	5740751	Cpr65Ax1	0	0	1	0.0928333	0	0
FBgn00870	39130	alphaTub67	0	0	1	0.0928333	0.275142	0.289291
FBgn02435	43212	Tb	0	0	1	0.0928333	0.0269705	0.028357
FBgn02592	246493	prom	0	0	1	0.0928333	1.6637	1.74925
FBgn02592	42471	Ir93a	0	0	1	0.0928333	0.233243	0.245237
FBgn02597	7354374	CG42356	0	0	1	0.0928333	0	0
FBgn02597	7354373	CG42357	0	0	1	0.0928333	0	0
FBgn02597	318998	CG42367	0	0	1	0.0928333	0.113496	0.119333
FBgn02598	7354439	Su(Ste):CR4	0	0	1	0.0928333	0	0
FBgn02598	7354441	Su(Ste):CR4	0	0	1	0.0928333	0.0419089	0.044064
FBgn02598	7354443	Su(Ste):CR4	0	0	1	0.0928333	0.0749504	0.078805
FBgn02598	7354444	Su(Ste):CR4	0	0	1	0.0928333	0	0
FBgn02598	7354449	Su(Ste):CR4	0	0	1	0.0928333	0.0451406	0.047462
FBgn02598	7354448	Su(Ste):CR4	0	0	1	0.0928333	0.0382484	0.040215
FBgn02598	7354454	Su(Ste):CR4	0	0	1	0.0928333	0	0
FBgn02598	7354462	Su(Ste):CR4	0	0	1	0.0928333	0	0
FBgn02598	7354461	Su(Ste):CR4	0	0	1	0.0928333	0	0

FBgn02598	7354463	Su(Ste):CR4	0	0	1	0.0928333	0.0164051	0.017249
FBgn02598	7354384	Su(Ste):CR4	0	0	1	0.0928333	0.0222988	0.023446
FBgn02598	7354391	Su(Ste):CR4	0	0	1	0.0928333	0	0
FBgn02598	7354392	Su(Ste):CR4	0	0	1	0.0928333	0.075493	0.079375
FBgn02599	8674116	CG42460	0	0	1	0.0928333	0.703964	0.740165
FBgn02599	34772	kuz	0	0	1	0.0928333	6.54826	6.88499
FBgn02604	8674040	CR42530	0	0	1	0.0928333	0.0691706	0.072728
FBgn02607	8673959	CR42548	0	0	1	0.0928333	0	0
FBgn02608	8673991	CG42581	0	0	1	0.0928333	0.107777	0.11332
FBgn02608	8674103	CG42583	0	0	1	0.0928333	0	0
FBgn02609	8674060	CG42587	0	0	1	0.0928333	0	0
FBgn02610	41153	Vps45	0	0	1	0.0928333	9.4177	9.902
FBgn02614	12798524	scaRNA:Me	0	0	1	0.0928333	0.701006	0.737055
FBgn02615	318930	NimA	0	0	1	0.0928333	1.63341	1.7174
FBgn02615	38558	NT1	0	0	1	0.0928333	0.0406529	0.042743
FBgn02615	10178899	CG42680	0	0	1	0.0928333	0.221566	0.23296
FBgn02616	36609	FBgn02616	0	0	1	0.0928333	0.20293	0.213365
FBgn02616	10178898	CG42705	0	0	1	0.0928333	0	0
FBgn02616	10178897	CG42717	0	0	1	0.0928333	0.223645	0.235146
FBgn02616	10178940	CG42718	0	0	1	0.0928333	0	0
FBgn02616	10178845	CR42721	0	0	1	0.0928333	0.220882	0.232241
FBgn02616	14462711	CR42735	0	0	1	0.0928333	0	0
FBgn02617	39831	dsx-c73A	0	0	1	0.0928333	0.0159077	0.016726
FBgn02618	10178795	CG42762	0	0	1	0.0928333	0.0468914	0.049303
FBgn02618	10178912	CG42779	0	0	1	0.0928333	0	0
FBgn02619	38525	srw	0	0	1	0.0928333	0.319005	0.335409
FBgn02620	10178777	CG42835	0	0	1	0.0928333	0	0
FBgn02620	10178903	CR42838	0	0	1	0.0928333	0	0
FBgn02625	12797913	CG43082	0	0	1	0.0928333	0	0
FBgn02625	12797912	CG43084	0	0	1	0.0928333	0	0
FBgn02625	12798122	CG43090	0	0	1	0.0928333	0	0
FBgn02626	12798108	CG43135	0	0	1	0.0928333	0	0
FBgn02628	26067102	CR43177	0	0	1	0.0928333	0	0
FBgn02628	12798292	CG43181	0	0	1	0.0928333	0	0

FBgn02628	12798293	CG43182	0	0	1	0.0928333	0.221566	0.23296
FBgn02628	12798242	CG43184	0	0	1	0.0928333	0.171117	0.179917
FBgn02628	12798317	CG43187	0	0	1	0.0928333	1.83994	1.93456
FBgn02628	26067103	CR43193	0	0	1	0.0928333	0	0
FBgn02628	12797993	CG43220	0	0	1	0.0928333	0.511778	0.538095
FBgn02628	12798152	CG43229	0	0	1	0.0928333	0.199092	0.209331
FBgn02629	12797953	CG43255	0	0	1	0.0928333	0	0
FBgn02629	12798479	CR43275	0	0	1	0.0928333	0.25051	0.263392
FBgn02629	12798478	CR43276	0	0	1	0.0928333	0.244453	0.257024
FBgn02630	12798231	snRNA:U4a	0	0	1	0.0928333	0	0
FBgn02630	12798213	CG43332	0	0	1	0.0928333	0	0
FBgn02630	12798414	CG43336	0	0	1	0.0928333	0.0993092	0.104416
FBgn02630	12798145	HP1Lcsd	0	0	1	0.0928333	2.38577	2.50846
FBgn02632	12798388	scaRNA:Me	0	0	1	0.0928333	0	0
FBgn02632	12797969	CR43385	0	0	1	0.0928333	0.0676559	0.071135
FBgn02632	12798201	CG43390	0	0	1	0.0928333	0	0
FBgn02632	12798202	CG43391	0	0	1	0.0928333	0	0
FBgn02633	12798271	CR43434	0	0	1	0.0928333	0	0
FBgn02634	12798346	snoRNA:hts	0	0	1	0.0928333	0	0
FBgn02634	12798582	snoRNA:no	0	0	1	0.0928333	5.78157	6.07888
FBgn02634	12798443	snoRNA:2R	0	0	1	0.0928333	1.1049	1.16172
FBgn02634	12798342	snoRNA:ab	0	0	1	0.0928333	0	0
FBgn02634	12797958	snoRNA:CG	0	0	1	0.0928333	1.11973	1.17731
FBgn02634	12798416	scaRNA:Psi	0	0	1	0.0928333	3.28055	3.44925
FBgn02634	12798435	scaRNA:Psi	0	0	1	0.0928333	0	0
FBgn02634	12798362	CR43603	0	0	1	0.0928333	7.92338	8.33083
FBgn02634	12798487	CR43488	0	0	1	0.0928333	0.0807158	0.084867
FBgn02635	12797867	asRNA:CR4	0	0	1	0.0928333	2.58115	2.71388
FBgn02635	12798057	CG43618	0	0	1	0.0928333	0	0
FBgn02636	14462468	CR43642	0	0	1	0.0928333	0	0
FBgn02637	14462614	CG43666	0	0	1	0.0928333	0	0
FBgn02637	14462409	CR43686	0	0	1	0.0928333	0.180562	0.189847
FBgn02637	14462603	CR43688	0	0	1	0.0928333	0	0
FBgn02638	14462611	CG43709	0	0	1	0.0928333	0	0

FBgn02638	14462612	CG43710	0	0	1	0.0928333	0	0
FBgn02638	14462698	CR43716	0	0	1	0.0928333	0.128933	0.135563
FBgn02639	14462740	CG43725	0	0	1	0.0928333	0.185377	0.19491
FBgn02642	14462731	CR43769	0	0	1	0.0928333	0	0
FBgn02643	14462806	CR43827	0	0	1	0.0928333	0.0509278	0.053547
FBgn02643	14462388	CR43834	0	0	1	0.0928333	0	0
FBgn02644	14462767	CR43856	0	0	1	0.0928333	0.0325986	0.034275
FBgn02644	14462873	asRNA:CR4	0	0	1	0.0928333	0.06193	0.065115
FBgn02644	14462884	CR43892	0	0	1	0.0928333	0	0
FBgn02645	31162	Hr4	0	0	1	0.0928333	0.294091	0.309214
FBgn02645	14462748	CR43937	0	0	1	0.0928333	2.75768	2.89949
FBgn02646	19834725	CR43949	0	0	1	0.0928333	0	0
FBgn02647	14462866	asRNA:CR4	0	0	1	0.0928333	1.68826	1.77507
FBgn02647	14462405	CG43997	0	0	1	0.0928333	9.71186	10.2113
FBgn02647	14462448	CR44018	0	0	1	0.0928333	0.255862	0.26902
FBgn02648	14462406	CR44026	0	0	1	0.0928333	0.646665	0.679919
FBgn02648	14462446	asRNA:CR4	0	0	1	0.0928333	0.416578	0.438
FBgn02648	35250	Tep5	0	0	1	0.0928333	0.125149	0.131585
FBgn02648	14462694	CR44057	0	0	1	0.0928333	0.0503742	0.052965
FBgn02648	14462716	asRNA:CR4	0	0	1	0.0928333	0	0
FBgn02648	14462482	CG44090	0	0	1	0.0928333	0	0
FBgn02649	14462535	CR44100	0	0	1	0.0928333	0.418774	0.440309
FBgn02649	14462539	CR44105	0	0	1	0.0928333	2.36061	2.482
FBgn02649	14462724	CR44121	0	0	1	0.0928333	0.520723	0.5475
FBgn02649	14462544	CR44127	0	0	1	0.0928333	4.60795	4.84491
FBgn02649	14462720	CR44148	0	0	1	0.0928333	2.18871	2.30126
FBgn02650	14462472	CR44177	0	0	1	0.0928333	0.477879	0.502453
FBgn02650	14462797	CR44184	0	0	1	0.0928333	0.0584172	0.061421
FBgn02650	14462803	CR44190	0	0	1	0.0928333	0	0
FBgn02651	14462566	CR44209	0	0	1	0.0928333	0.353474	0.371651
FBgn02651	31093	Gr2a	0	0	1	0.0928333	0.0356038	0.037435
FBgn02651	14462576	Ir47b	0	0	1	0.0928333	0	0
FBgn02651	14462608	CR44213	0	0	1	0.0928333	0.0926886	0.097455
FBgn02651	14462470	CG44215	0	0	1	0.0928333	0	0

FBgn02651	14462632	Ir60f	0	0	1	0.0928333	0	0
FBgn02651	14462449	CR44230	0	0	1	0.0928333	1.28207	1.34799
FBgn02651	19835885	CG44257	0	0	1	0.0928333	0.051115	0.053744
FBgn02652	19835938	CR44260	0	0	1	0.0928333	0	0
FBgn02652	19835298	CR44272	0	0	1	0.0928333	0.224247	0.235778
FBgn02653	19835399	CR44277	0	0	1	0.0928333	0.251264	0.264185
FBgn02653	19835355	CR44280	0	0	1	0.0928333	0.298996	0.314371
FBgn02653	19835890	CR44284	0	0	1	0.0928333	1.49009	1.56672
FBgn02653	19835819	CR44289	0	0	1	0.0928333	0.0134137	0.014104
FBgn02653	19834883	CR44301	0	0	1	0.0928333	0	0
FBgn02653	19835839	CR44312	0	0	1	0.0928333	0	0
FBgn02653	19836204	CR44313	0	0	1	0.0928333	0	0
FBgn02653	19834806	CR44323	0	0	1	0.0928333	0.257468	0.270708
FBgn02654	19835910	CR44339	0	0	1	0.0928333	0.17683	0.185924
FBgn02654	19835736	asRNA:CR4	0	0	1	0.0928333	4.12789	4.34017
FBgn02654	19836075	CR44350	0	0	1	0.0928333	0	0
FBgn02654	19835520	CR44354	0	0	1	0.0928333	0.177112	0.18622
FBgn02654	19836209	CR44357	0	0	1	0.0928333	0.0199402	0.020966
FBgn02654	19836198	CR44361	0	0	1	0.0928333	0	0
FBgn02654	19835887	CG44362	0	0	1	0.0928333	0	0
FBgn02655	19836001	CR44393	0	0	1	0.0928333	0.453368	0.476682
FBgn02655	19836067	CR44409	0	0	1	0.0928333	0.492152	0.51746
FBgn02655	19835174	CR44414	0	0	1	0.0928333	0	0
FBgn02656	19835565	asRNA:CR4	0	0	1	0.0928333	0.424528	0.446359
FBgn02656	19835891	CR44432	0	0	1	0.0928333	0.881071	0.926379
FBgn02656	19834939	CG44438	0	0	1	0.0928333	0	0
FBgn02656	19835165	CR44443	0	0	1	0.0928333	0.0462672	0.048646
FBgn02656	19836041	lncRNA:TS1	0	0	1	0.0928333	0.061519	0.064683
FBgn02656	19834972	CR44457	0	0	1	0.0928333	0	0
FBgn02656	19834979	CR44462	0	0	1	0.0928333	0	0
FBgn02656	19835814	CR44471	0	0	1	0.0928333	0.19721	0.207351
FBgn02656	19836054	CR44474	0	0	1	0.0928333	1.01788	1.07022
FBgn02656	19834922	CR44499	0	0	1	0.0928333	0	0
FBgn02656	19835982	CR44502	0	0	1	0.0928333	0.287159	0.301926

FBgn02657	19835408	CR44507	0	0	1	0.0928333	0.0390542	0.041063
FBgn02657	19835956	CR44508	0	0	1	0.0928333	0	0
FBgn02657	19835532	CR44510	0	0	1	0.0928333	0	0
FBgn02657	19836144	CR44524	0	0	1	0.0928333	0.197677	0.207842
FBgn02657	19836013	CR44529	0	0	1	0.0928333	0.0549537	0.05778
FBgn02657	19835813	CR44536	0	0	1	0.0928333	0.0228485	0.024023
FBgn02657	19834959	CR44551	0	0	1	0.0928333	0	0
FBgn02657	19835987	CR44553	0	0	1	0.0928333	0.326314	0.343094
FBgn02657	19835918	CR44556	0	0	1	0.0928333	0	0
FBgn02657	19834842	CR44557	0	0	1	0.0928333	3.51811	3.69902
FBgn02657	19835846	CR44565	0	0	1	0.0928333	0	0
FBgn02657	19834886	CR44576	0	0	1	0.0928333	1.55119	1.63096
FBgn02657	19835566	CR44583	0	0	1	0.0928333	0	0
FBgn02657	19836239	CR44586	0	0	1	0.0928333	0	0
FBgn02658	19835932	CR44589	0	0	1	0.0928333	0.934675	0.98274
FBgn02658	19836118	CR44605	0	0	1	0.0928333	0	0
FBgn02658	19834909	CR44608	0	0	1	0.0928333	0.465166	0.489087
FBgn02658	19835076	CR44610	0	0	1	0.0928333	0.19721	0.207351
FBgn02658	19835624	CR44613	0	0	1	0.0928333	0.189806	0.199567
FBgn02658	19836023	CR44616	0	0	1	0.0928333	0	0
FBgn02658	19835305	CR44621	0	0	1	0.0928333	0.052268	0.054956
FBgn02658	19836231	CG44625	0	0	1	0.0928333	0	0
FBgn02658	19834879	CR44627	0	0	1	0.0928333	0	0
FBgn02658	19836096	CR44629	0	0	1	0.0928333	0	0
FBgn02658	19834791	CR44634	0	0	1	0.0928333	0.272614	0.286632
FBgn02658	19835551	CR44647	0	0	1	0.0928333	0.0923807	0.097131
FBgn02658	19836191	CR44648	0	0	1	0.0928333	0.333013	0.350138
FBgn02658	19834881	CR44650	0	0	1	0.0928333	0.311558	0.32758
FBgn02658	19835602	CR44659	0	0	1	0.0928333	0	0
FBgn02658	19836103	CR44663	0	0	1	0.0928333	0	0
FBgn02658	19835099	CR44664	0	0	1	0.0928333	0	0
FBgn02658	19835791	CR44673	0	0	1	0.0928333	1.10673	1.16364
FBgn02658	19834734	CR44677	0	0	1	0.0928333	0.0216225	0.022735
FBgn02659	19836217	CR44697	0	0	1	0.0928333	0.281586	0.296066

FBgn02659	19835605	CR44707	0	0	1	0.0928333	0	0
FBgn02659	19835109	CR44709	0	0	1	0.0928333	0.0205975	0.021657
FBgn02659	19835009	CR44715	0	0	1	0.0928333	0	0
FBgn02659	19835341	CR44728	0	0	1	0.0928333	0.0842624	0.088596
FBgn02659	19835510	CR44737	0	0	1	0.0928333	0.0231144	0.024303
FBgn02659	19835753	CR44743	0	0	1	0.0928333	0.167654	0.176275
FBgn02659	19834965	CR44751	0	0	1	0.0928333	0.551045	0.579382
FBgn02659	19835367	CR44752	0	0	1	0.0928333	0.930764	0.978628
FBgn02659	19835388	CR44755	0	0	1	0.0928333	0.0555022	0.058356
FBgn02659	19836051	CR44762	0	0	1	0.0928333	0	0
FBgn02659	19835316	CR44764	0	0	1	0.0928333	0.0793907	0.083473
FBgn02659	19835115	CR44771	0	0	1	0.0928333	0.0449218	0.047232
FBgn02660	19834966	CR44783	0	0	1	0.0928333	0.119001	0.125121
FBgn02660	19835285	asRNA:TS1	0	0	1	0.0928333	1.05129	1.10535
FBgn02660	19835033	CR44795	0	0	1	0.0928333	0.579304	0.609094
FBgn02660	19836232	CR44797	0	0	1	0.0928333	0.248717	0.261507
FBgn02660	19835090	CR44798	0	0	1	0.0928333	0.459071	0.482678
FBgn02660	19835004	CR44804	0	0	1	0.0928333	0.946297	0.99496
FBgn02660	19836248	CR44810	0	0	1	0.0928333	0.0378836	0.039832
FBgn02660	19835181	CG44812	0	0	1	0.0928333	0.0936249	0.098439
FBgn02660	19836072	CR44828	0	0	1	0.0928333	0.0925344	0.097293
FBgn02661	19836057	CR44854	0	0	1	0.0928333	0.256046	0.269213
FBgn02661	19835939	CR44856	0	0	1	0.0928333	0.80083	0.842011
FBgn02661	19834899	CR44857	0	0	1	0.0928333	0.0620683	0.06526
FBgn02661	19835339	CR44860	0	0	1	0.0928333	0	0
FBgn02661	19835974	CR44867	0	0	1	0.0928333	0.149498	0.157186
FBgn02661	19835666	CR44888	0	0	1	0.0928333	0.163568	0.171979
FBgn02662	19835833	CR44915	0	0	1	0.0928333	0.140674	0.147908
FBgn02662	19834980	CR44923	0	0	1	0.0928333	0.274294	0.2884
FBgn02662	19834799	CR44925	0	0	1	0.0928333	0.550625	0.578941
FBgn02662	19836183	CR44929	0	0	1	0.0928333	0.0271549	0.028551
FBgn02662	19834915	CR44930	0	0	1	0.0928333	0	0
FBgn02662	19835965	CR44931	0	0	1	0.0928333	0	0
FBgn02662	19835926	CR44945	0	0	1	0.0928333	0	0

FBgn02662	19836094	CR44946	0	0	1	0.0928333	0.0283451	0.029803
FBgn02662	19834785	CR44949	0	0	1	0.0928333	0.0191902	0.020177
FBgn02662	19835010	CG44956	0	0	1	0.0928333	0	0
FBgn02663	19835536	CR44970	0	0	1	0.0928333	0	0
FBgn02663	19834975	CR45003	0	0	1	0.0928333	0	0
FBgn02663	19835634	asRNA:CR4	0	0	1	0.0928333	4.75403	4.9985
FBgn02663	19835812	CR45036	0	0	1	0.0928333	2.03686	2.1416
FBgn02664	19835992	CR45043	0	0	1	0.0928333	0	0
FBgn02665	41932	CG45105	0	0	1	0.0928333	0.718957	0.755929
FBgn02665	10178876	yar	0	0	1	0.0928333	0.0565749	0.059484
FBgn02665	19836221	tRNA:Thr-T	0	0	1	0.0928333	0	0
FBgn02665	19835230	tRNA:Thr-T	0	0	1	0.0928333	0	0
FBgn02665	3771899	tRNA:Leu-C	0	0	1	0.0928333	0	0
FBgn02665	19834758	CR45111	0	0	1	0.0928333	0.0496546	0.052208
FBgn02665	19836021	CR45118	0	0	1	0.0928333	0.56094	0.589785
FBgn02666	19835488	CG45122	0	0	1	0.0928333	0.448493	0.471557
FBgn02666	19835755	CR45147	0	0	1	0.0928333	0	0
FBgn02666	19835844	CR45157	0	0	1	0.0928333	0.327136	0.343959
FBgn02666	42499	Sec15	0	0	1	0.0928333	9.70598	10.2051
FBgn02666	19836199	CR45187	0	0	1	0.0928333	1.26394	1.32893
FBgn02666	19836184	asRNA:CR4	0	0	1	0.0928333	0.119727	0.125884
FBgn02667	19835110	asRNA:CR4	0	0	1	0.0928333	0	0
FBgn02667	19835692	CR45258	0	0	1	0.0928333	0	0
FBgn02667	19835568	CR45261	0	0	1	0.0928333	0.261504	0.274951
FBgn02668	19835608	CR45266	0	0	1	0.0928333	0	0
FBgn02668	19835860	CR45282	0	0	1	0.0928333	0	0
FBgn02668	19835625	CR45284	0	0	1	0.0928333	0.00882609	0.00928
FBgn02668	19835385	CR45288	0	0	1	0.0928333	3.82659	4.02337
FBgn02668	19835041	CR45297	0	0	1	0.0928333	0	0
FBgn02668	19835977	CR45304	0	0	1	0.0928333	0	0
FBgn02668	19836147	CR45309	0	0	1	0.0928333	0	0
FBgn02668	19835975	CR45355	0	0	1	0.0928333	0.104145	0.1095
FBgn02668	19836218	CR45356	0	0	1	0.0928333	1.85377	1.9491
FBgn02669	19835874	CR45360	0	0	1	0.0928333	0.104015	0.109363

FBgn02669	19836128	CR45368	0	0	1	0.0928333	0	0
FBgn02669	19834801	CR45373	0	0	1	0.0928333	0	0
FBgn02669	19835999	CR45374	0	0	1	0.0928333	0	0
FBgn02669	19835801	CR45386	0	0	1	0.0928333	0.141509	0.148786
FBgn02669	19835378	CR45387	0	0	1	0.0928333	0	0
FBgn02669	19836127	CR45404	0	0	1	0.0928333	0.0617924	0.06497
FBgn02669	19834917	CR45421	0	0	1	0.0928333	0	0
FBgn02669	19835472	CR45426	0	0	1	0.0928333	0.104145	0.1095
FBgn02669	19835067	CR45433	0	0	1	0.0928333	0	0
FBgn02669	19836160	CR45437	0	0	1	0.0928333	0.0387278	0.040719
FBgn02669	19835955	CR45439	0	0	1	0.0928333	0.138341	0.145455
FBgn02669	19834834	CR45440	0	0	1	0.0928333	0.125822	0.132292
FBgn02669	19835123	CR45441	0	0	1	0.0928333	0	0
FBgn02669	19835827	CR45442	0	0	1	0.0928333	0	0
FBgn02669	19834904	CR45443	0	0	1	0.0928333	0	0
FBgn02670	19835085	CR45451	0	0	1	0.0928333	0	0
FBgn02670	19835354	CR45453	0	0	1	0.0928333	0	0
FBgn02670	19835719	CR45454	0	0	1	0.0928333	0.0749504	0.078805
FBgn02670	19834797	CR45455	0	0	1	0.0928333	0.214723	0.225765
FBgn02670	19835849	CR45456	0	0	1	0.0928333	0.0951194	0.100011
FBgn02670	19835011	CR45459	0	0	1	0.0928333	0	0
FBgn02670	19836045	CR45460	0	0	1	0.0928333	0	0
FBgn02670	19834871	CR45463	0	0	1	0.0928333	0.308962	0.32485
FBgn02670	19834748	CR45478	0	0	1	0.0928333	0	0
FBgn02670	19835218	CR45509	0	0	1	0.0928333	0	0
FBgn02670	19835704	CR45516	0	0	1	0.0928333	0	0
FBgn02670	19836085	CR45530	0	0	1	0.0928333	1.00204	1.05357
FBgn02670	19835847	CR45531	0	0	1	0.0928333	0.105582	0.111012
FBgn02670	19835991	CR45532	0	0	1	0.0928333	0	0
FBgn02671	19834823	CG45544	0	0	1	0.0928333	0	0
FBgn02671	19835450	CG45545	0	0	1	0.0928333	0.286666	0.301407
FBgn02671	19835375	asRNA:CR4	0	0	1	0.0928333	1.52488	1.60329
FBgn02671	19834830	CR45550	0	0	1	0.0928333	1.46936	1.54492
FBgn02671	19835391	CR45588	0	0	1	0.0928333	0.348828	0.366766

FBgn02671	19835863	CR45602	0	0	1	0.0928333	0	0
FBgn02671	19835492	CR45610	0	0	1	0.0928333	0	0
FBgn02671	19835491	CR45617	0	0	1	0.0928333	0.284904	0.299554
FBgn02671	19835294	CR45618	0	0	1	0.0928333	0.0422592	0.044432
FBgn02671	19835735	CR45624	0	0	1	0.0928333	0	0
FBgn02671	19834844	CR45625	0	0	1	0.0928333	0	0
FBgn02671	19835326	CR45626	0	0	1	0.0928333	0	0
FBgn02671	19834831	CR45628	0	0	1	0.0928333	0	0
FBgn02671	19835149	CR45631	0	0	1	0.0928333	0.0413174	0.043442
FBgn02671	19835877	CR45636	0	0	1	0.0928333	0.61519	0.646825
FBgn02671	19835554	CR45637	0	0	1	0.0928333	0	0
FBgn02671	19835052	CR45638	0	0	1	0.0928333	0	0
FBgn02672	19835985	CR45640	0	0	1	0.0928333	0	0
FBgn02672	19835963	CR45642	0	0	1	0.0928333	0	0
FBgn02672	19835150	CR45647	0	0	1	0.0928333	0.554284	0.582788
FBgn02672	19836104	CR45649	0	0	1	0.0928333	0.480344	0.505045
FBgn02672	19835495	CR45657	0	0	1	0.0928333	0	0
FBgn02672	19836235	CR45659	0	0	1	0.0928333	0.22025	0.231576
FBgn02672	19835951	CR45661	0	0	1	0.0928333	0	0
FBgn02672	19834835	asRNA:CR4	0	0	1	0.0928333	0	0
FBgn02672	19836179	CR45665	0	0	1	0.0928333	0	0
FBgn02672	19835578	CR45666	0	0	1	0.0928333	0	0
FBgn02672	19834927	CR45667	0	0	1	0.0928333	0	0
FBgn02672	19835299	CR45671	0	0	1	0.0928333	0	0
FBgn02672	19835234	CR45672	0	0	1	0.0928333	0	0
FBgn02672	19835203	CR45673	0	0	1	0.0928333	0.040832	0.042932
FBgn02672	19835993	CR45674	0	0	1	0.0928333	0.194906	0.204929
FBgn02672	19835761	CR45680	0	0	1	0.0928333	0	0
FBgn02672	19835754	CR45685	0	0	1	0.0928333	0.144826	0.152273
FBgn02672	19836185	CR45694	0	0	1	0.0928333	0.133046	0.139888
FBgn02672	19835756	CR45695	0	0	1	0.0928333	0	0
FBgn02672	19835866	CR45704	0	0	1	0.0928333	0.123952	0.130326
FBgn02672	19836243	CR45708	0	0	1	0.0928333	0	0
FBgn02672	19835007	CR45710	0	0	1	0.0928333	0	0

FBgn02672	19835146	CR45718	0	0	1	0.0928333	0	0
FBgn02672	19835186	CR45719	0	0	1	0.0928333	0	0
FBgn02672	19834731	CR45722	0	0	1	0.0928333	0	0
FBgn02672	19836189	CR45728	0	0	1	0.0928333	0	0
FBgn02672	19836028	CR45730	0	0	1	0.0928333	0.188306	0.19799
FBgn02672	19836229	CR45734	0	0	1	0.0928333	0.51115	0.537436
FBgn02673	19835822	CR45739	0	0	1	0.0928333	0	0
FBgn02673	19835771	CR45742	0	0	1	0.0928333	0	0
FBgn02673	19835060	CR45745	0	0	1	0.0928333	0.095228	0.100125
FBgn02673	19835522	CR45746	0	0	1	0.0928333	0.105728	0.111165
FBgn02673	19835665	CR45750	0	0	1	0.0928333	0	0
FBgn02674	26067122	CR45791	0	0	1	0.0928333	0.0797893	0.083892
FBgn02674	26067126	Su(Ste):CR4	0	0	1	0.0928333	0.0582947	0.061293
FBgn02674	26067127	Su(Ste):CR4	0	0	1	0.0928333	0.0471698	0.049595
FBgn02674	26067135	CR45805	0	0	1	0.0928333	0.759562	0.798622
FBgn02674	26067154	CR45826	0	0	1	0.0928333	0.0524653	0.055163
FBgn02675	26067168	2SrRNA:CR4	0	0	1	0.0928333	6.4882	6.82185
FBgn02675	26067177	5.8SrRNA-P	0	0	1	0.0928333	0	0
FBgn02675	26067178	2SrRNA-Psi	0	0	1	0.0928333	0	0
FBgn02675	26067181	28SrRNA-Ps	0	0	1	0.0928333	0.109045	0.114653
FBgn02675	26067185	5.8SrRNA-P	0	0	1	0.0928333	0	0
FBgn02675	26067186	2SrRNA-Psi	0	0	1	0.0928333	0	0
FBgn02675	26067192	2SrRNA:CR4	0	0	1	0.0928333	0	0
FBgn02675	26067196	asRNA:CR4	0	0	1	0.0928333	0.937828	0.986054
FBgn02675	26067209	CR45881	0	0	1	0.0928333	0.438474	0.461022
FBgn02675	26067216	CR45888	0	0	1	0.0928333	1.2999	1.36675
FBgn02675	26067218	asRNA:CR4	0	0	1	0.0928333	0.253299	0.266324
FBgn02675	26067227	CR45899	0	0	1	0.0928333	0	0
FBgn02675	26067238	CR45910	0	0	1	0.0928333	0.0609348	0.064068
FBgn02675	26067239	CR45911	0	0	1	0.0928333	0.0656009	0.068974
FBgn02675	26067240	asRNA:CR4	0	0	1	0.0928333	0.0562279	0.059119
FBgn02675	26067245	CR45917	0	0	1	0.0928333	0	0
FBgn02675	26067247	CR45919	0	0	1	0.0928333	0.0048452	0.005094
FBgn02675	26067264	CR45937	0	0	1	0.0928333	0.215973	0.22708

FBgn02676	26067267	CR45940	0	0	1	0.0928333	2.42831	2.55319
FBgn02676	26067273	CR45946	0	0	1	0.0928333	0	0
FBgn02676	26067274	CR45947	0	0	1	0.0928333	0	0
FBgn02676	26067281	CR45954	0	0	1	0.0928333	0.163088	0.171475
FBgn02676	26067294	CR45967	0	0	1	0.0928333	0.447051	0.47004
FBgn02676	26067342	CR46021	0	0	1	0.0928333	0	0
FBgn02676	26067064	CG46026	0	0	1	0.0928333	0	0
FBgn02676	26067350	CR46031	0	0	1	0.0928333	0.0852309	0.089614
FBgn02677	26067355	CR46036	0	0	1	0.0928333	0.589019	0.619308
FBgn02677	26067356	flam	0	0	1	0.0928333	0.00987099	0.010379
FBgn02677	26067370	CR46052	0	0	1	0.0928333	0.967186	1.01692
FBgn02677	26067374	CR46056	0	0	1	0.0928333	0	0
FBgn02677	26067375	CR46057	0	0	1	0.0928333	0	0
FBgn02677	26067389	CR46072	0	0	1	0.0928333	0	0
FBgn02677	26067407	CR46090	0	0	1	0.0928333	0.0926886	0.097455
FBgn02677	26067415	CR46098	0	0	1	0.0928333	0.646665	0.679919
FBgn02677	26067417	CR46100	0	0	1	0.0928333	0	0
FBgn02678	26067465	CR46151	0	0	1	0.0928333	0	0
FBgn02678	26067466	CR46152	0	0	1	0.0928333	0	0
FBgn02678	26067471	CR46157	0	0	1	0.0928333	0	0
FBgn02678	26067472	CR46158	0	0	1	0.0928333	0.038674	0.040663
FBgn02678	26067475	CR46161	0	0	1	0.0928333	0	0
FBgn02678	26067476	CR46162	0	0	1	0.0928333	0.219815	0.231119
FBgn02678	26067477	CR46163	0	0	1	0.0928333	0	0
FBgn02678	26067480	CR46166	0	0	1	0.0928333	0	0
FBgn02678	26067481	CR46167	0	0	1	0.0928333	0.0462672	0.048646
FBgn02678	26067483	CR46169	0	0	1	0.0928333	0	0
FBgn02678	26067484	CR46170	0	0	1	0.0928333	0.164051	0.172487
FBgn02678	26067485	CR46171	0	0	1	0.0928333	0	0
FBgn02678	26067488	CR46174	0	0	1	0.0928333	0	0
FBgn02678	26067489	CR46175	0	0	1	0.0928333	0	0
FBgn02678	26067491	CR46177	0	0	1	0.0928333	0	0
FBgn02678	26067493	CR46179	0	0	1	0.0928333	0.0387278	0.040719
FBgn02678	26067495	CR46181	0	0	1	0.0928333	0	0

FBgn02678	26067498	CR46184	0	0	1	0.0928333	0.038674	0.040663
FBgn02678	26067499	CR46185	0	0	1	0.0928333	0.293473	0.308565
FBgn02679	26067504	CR46190	0	0	1	0.0928333	0	0
FBgn02679	26067069	CG46191	0	0	1	0.0928333	0	0
FBgn02679	26067071	CG46193	0	0	1	0.0928333	0	0
FBgn02679	26067513	CR46202	0	0	1	0.0928333	0	0
FBgn02679	26067519	CR46208	0	0	1	0.0928333	0.057511	0.060469
FBgn02679	26067520	CR46209	0	0	1	0.0928333	0	0
FBgn02679	26067532	CR46221	0	0	1	0.0928333	0.104733	0.110119
FBgn02679	26067538	CR46227	0	0	1	0.0928333	0	0
FBgn02679	26067543	CR46232	0	0	1	0.0928333	0.043111	0.045328
FBgn02679	26067544	CR46233	0	0	1	0.0928333	0.0205063	0.021561
FBgn02679	26067549	CR46238	0	0	1	0.0928333	0.387818	0.407762
FBgn02679	26067550	CR46239	0	0	1	0.0928333	3.00913	3.16387
FBgn02679	26067554	CR46243	0	0	1	0.0928333	0	0
FBgn02786	26067073	CG46270	0	0	1	0.0928333	0	0
FBgn00354	38422	CG12012	0	0	1	0.0920035	39.1002	41.0872
FBgn00377	41191	CG8412	0	0	1	0.0918318	15.8455	16.6487
FBgn00144	31144	Vps26	0	0	1	0.0916755	27.2489	28.6272
FBgn02666	43163	Exo84	0	0	1	0.0916503	15.0918	15.8549
FBgn02786	117294	Dsp1	0	0	1	0.0915289	12.656	13.2948
FBgn00166	37461	PTP-ER	0	0	1	0.0913597	10.7408	11.2816
FBgn02655	19835362	CR44389	0	0	1	0.0912514	169.064	177.563
FBgn00384	42046	CG17556	0	0	1	0.0911967	19.9167	20.9172
FBgn00331	35660	Eaf	0	0	1	0.0911684	10.5956	11.1276
FBgn02662	19836212	asRNA:CR4	0	0	1	0.0911626	22.2607	23.3784
FBgn00360	39213	CG11811	0	0	1	0.0910037	13.9121	14.609
FBgn02596	3355160	CG42346	0	0	1	0.0909487	2.32329	2.43957
FBgn00227	31680	Hira	0	0	1	0.0908584	5.93532	6.23199
FBgn00510	43697	qless	0	0	1	0.0907971	6.11779	6.42331
FBgn00150	33704	betaggt-I	0	0	1	0.0907723	21.8213	22.9107
FBgn00012	39078	Hsp27	0	0	1	0.0907333	23.4107	24.5787
FBgn02629	318164	lawc	0	0	1	0.0905756	10.3606	10.8763
FBgn00308	32791	Mvb12	0	0	1	0.090386	13.9685	14.6619

FBgn00229	37559	qkr58E-3	0	0	1	0.0902806	27.2759	28.6278
FBgn00344	37182	Jheh3	0	0	1	0.0901654	38.1811	40.0703
FBgn00375	40952	CG10903	0	0	1	0.0901442	11.8007	12.3844
FBgn00384	42069	CG17475	0	0	1	0.089883	24.9953	26.2269
FBgn00342	37016	CG4975	0	0	1	0.0897768	8.14693	8.54773
FBgn00304	32315	CG11178	0	0	1	0.0897004	3.90089	4.09258
FBgn02656	36432	Su(z)2	0	0	1	0.0896753	5.6722	5.95083
FBgn00500	246398	CG30025	0	0	1	0.0894976	14.8302	15.5567
FBgn00263	35954	Mad1	0	0	1	0.0892401	9.15485	9.60166
FBgn00394	43243	CG14253	0	0	1	0.0892085	8.17358	8.5723
FBgn02785	26067578	CR46268	0	0	1	0.0891917	7.93997	8.32721
FBgn00285	34803	CenG1A	0	0	1	0.0891809	12.2871	12.8863
FBgn00222	46662	l(2)09851	0	0	1	0.0889183	11.3161	11.8657
FBgn00503	246573	CG30373	0	0	1	0.0888425	13.9419	14.6183
FBgn02649	14462516	CR44097	0	0	1	0.0887978	17.7902	18.6527
FBgn00393	43099	CG4730	0	0	1	0.0887522	6.48759	6.80188
FBgn00230	37858	gek	0	0	1	0.0887139	13.3589	14.0058
FBgn02631	36982	Cc2d2a	0	0	1	0.0887054	2.28073	2.39114
FBgn00376	41036	CG11760	0	0	1	0.0886211	14.9817	15.7062
FBgn00303	32111	CG2247	0	0	1	0.0885864	12.5488	13.1553
FBgn00334	35986	Updo	0	0	1	0.0885738	36.2834	38.0367
FBgn00367	39997	CG14353	0	0	1	0.0884813	18.6313	19.5304
FBgn00167	40090	fz2	0	0	1	0.0883835	8.51207	8.92222
FBgn00383	41837	Art3	0	0	1	0.0883599	14.9206	15.6393
FBgn00371	40403	MED1	0	0	1	0.0882808	7.6379	8.00535
FBgn00307	32621	CG9903	0	0	1	0.0882167	5.32903	5.58511
FBgn00314	33447	CG15395	0	0	1	0.0880641	6.80518	7.13143
FBgn00381	41593	CG14383	0	0	1	0.0879839	21.8585	22.9054
FBgn00466	318725	Takl1	0	0	1	0.0878499	18.2645	19.1374
FBgn02677	26067414	asRNA:CR4	0	0	1	0.0878499	9.26886	9.71178
FBgn00500	246399	CG30026	0	0	1	0.0878351	68.5173	71.7915
FBgn00330	35572	CG15909	0	0	1	0.0878326	10.9518	11.4751
FBgn00303	32140	p24-1	0	0	1	0.0878177	36.3777	38.1156
FBgn02630	32259	CG43313	0	0	1	0.0877977	1.83835	1.92612

FBgn00362	39333	CG10361	0	0	1	0.0877801	5.538	5.80235
FBgn00314	33513	CG3542	0	0	1	0.0877204	8.10467	8.49126
FBgn00530	40340	CG33054	0	0	1	0.0876438	40.0372	41.9447
FBgn00311	33043	cactin	0	0	1	0.087625	6.60019	6.91455
FBgn00378	41289	Cap-H2	0	0	1	0.0875507	9.30061	9.74312
FBgn00372	40564	CG1074	0	0	1	0.0874801	13.3346	13.9684
FBgn00339	36598	Tfb1	0	0	1	0.0874744	24.1135	25.2595
FBgn00390	42699	CG4725	0	0	1	0.0874501	6.57447	6.88676
FBgn00380	41538	CG18549	0	0	1	0.0873552	25.6142	26.8293
FBgn00407	50227	CG17059	0	0	1	0.0873373	69.0892	72.3655
FBgn02648	14462360	asRNA:CR4	0	0	1	0.0872951	19.2394	20.1511
FBgn02666	38959	Exo70	0	0	1	0.0871646	12.4058	12.9926
FBgn00379	41479	Cog1	0	0	1	0.087131	11.6479	12.1985
FBgn00531	32526	CG33172	0	0	1	0.0871197	2.18635	2.28966
FBgn00117	36461	Dp	0	0	1	0.0871129	21.9636	23.0016
FBgn00528	318243	CG32845	0	0	1	0.0871121	10.6742	11.1787
FBgn00307	32676	CG4872	0	0	1	0.0871083	10.9232	11.4394
FBgn00376	41019	Cyp313b1	0	0	1	0.087097	3.26448	3.41867
FBgn00310	32954	CG14220	0	0	1	0.0870741	3.82589	4.00654
FBgn00333	35920	CG8078	0	0	1	0.0870042	4.61885	4.83671
FBgn00581	3354965	CG40160	0	0	1	0.0869488	15.7983	16.5431
FBgn00327	35151	Nedd8	0	0	1	0.0868718	44.0271	46.1
FBgn00367	39971	CG6052	0	0	1	0.0868594	1.31297	1.37476
FBgn00870	40627	rtp	0	0	1	0.086847	55.9318	58.5644
FBgn00045	43669	5-HT7	0	0	1	0.0868346	1.48765	1.55763
FBgn00368	40044	Atg3	0	0	1	0.0867673	32.5435	34.0733
FBgn02631	34004	mEFG1	0	0	1	0.0867652	10.5761	11.0732
FBgn00520	3772156	CR32009	0	0	1	0.0866723	6.21361	6.50526
FBgn00394	43192	CG5447	0	0	1	0.086668	18.7175	19.596
FBgn00330	3355132	CG14464	0	0	1	0.0866121	25.0453	26.2199
FBgn00046	43795	zfh2	0	0	1	0.0865531	4.63518	4.85236
FBgn00370	40309	CG11456	0	0	1	0.0865471	7.06712	7.39816
FBgn02679	32480	mh	0	0	1	0.0865471	2.71082	2.83777
FBgn02674	26067109	CR45771	0	0	1	0.0865288	24.1201	25.2497

FBgn00253	31105	rush	0	0	1	0.0864681	30.1672	31.5789
FBgn02644	14462903	asRNA:CR4	0	0	1	0.0864638	12.2262	12.7981
FBgn00309	32891	CG14190	0	0	1	0.086445	7.57447	7.92874
FBgn00323	34616	CG6734	0	0	1	0.08632	3.81212	3.99008
FBgn00417	41653	yellow-e	0	0	1	0.0862756	6.63498	6.94446
FBgn00003	30973	cin	0	0	1	0.0862706	17.4088	18.2209
FBgn00386	42307	CG11703	0	0	1	0.0862185	23.7596	24.867
FBgn00002	47765	c(3)G	0	0	1	0.0860601	4.50575	4.71521
FBgn02644	14462853	asRNA:CR4	0	0	1	0.0859469	21.3388	22.329
FBgn00354	38388	CG14965	0	0	1	0.0859139	3.09293	3.23634
FBgn02592	41401	CG42327	0	0	1	0.0859106	10.4783	10.9644
FBgn00310	33024	CG17068	0	0	1	0.0858469	4.12356	4.31462
FBgn00057	49779	PpD3	0	0	1	0.0858299	32.0291	33.513
FBgn00352	38157	CG2211	0	0	1	0.0858129	17.6925	18.5119
FBgn02663	19835567	CR45018	0	0	1	0.0857699	11.3798	11.9066
FBgn00363	39522	Spt20	0	0	1	0.0856468	2.73273	2.85897
FBgn00362	39435	Tsf2	0	0	1	0.0856443	21.3274	22.3126
FBgn00310	32919	rictor	0	0	1	0.0854747	7.29515	7.63125
FBgn00300	31794	CG12112	0	0	1	0.0854538	4.85433	5.07778
FBgn02669	19835000	asRNA:CR4	0	0	1	0.08544	48.6672	50.9082
FBgn00403	31277	CG3526	0	0	1	0.0853775	4.47223	4.67784
FBgn02651	19835865	CG44253	0	0	1	0.0853775	11.4672	11.9945
FBgn00270	45786	GlnRS	0	0	1	0.0852709	23.8197	24.9136
FBgn02671	19836159	CR45622	0	0	1	0.0852601	5.42428	5.6732
FBgn00526	32264	CG32645	0	0	1	0.0851798	1.47799	1.54572
FBgn00384	41981	pad	0	0	1	0.0851389	3.18299	3.32882
FBgn02597	7354380	CG42375	0	0	1	0.0851389	42.0957	44.0249
FBgn02604	41689	CG9288	0	0	1	0.0851389	42.0957	44.0249
FBgn00337	36391	CG8785	0	0	1	0.0851142	11.8899	12.4345
FBgn00174	37551	T3dh	0	0	1	0.0850977	7.94879	8.31278
FBgn00274	36299	Smyd4-4	0	0	1	0.0850721	27.2221	28.4684
FBgn00030	34850	osp	0	0	1	0.0850181	7.5142	7.8579
FBgn00400	3355126	CG17493	0	0	1	0.0850171	10.8334	11.329
FBgn00316	33689	Mon1	0	0	1	0.0850068	16.3707	17.1194

FBgn00167	37748	angel	0	0	1	0.0849712	8.29676	8.67587
FBgn00307	32546	CG16952	0	0	1	0.0849641	7.44301	7.78315
FBgn00296	31308	CG10793	0	0	1	0.0848626	12.1518	12.7062
FBgn00378	41259	CG6293	0	0	1	0.08476	9.5682	10.004
FBgn00100	48336	GstD3	0	0	1	0.0847283	26.5765	27.7864
FBgn00853	5740224	CG34317	0	0	1	0.0847207	12.7129	13.2916
FBgn00392	42925	CG6607	0	0	1	0.0846594	6.48331	6.77808
FBgn00853	5740672	CG34351	0	0	1	0.0845499	4.51221	4.71703
FBgn00854	31887	CG34449	0	0	1	0.0844831	7.60539	7.95032
FBgn00359	39035	CG5087	0	0	1	0.0844699	10.9676	11.4649
FBgn00829	5740449	snoRNA:Psi	0	0	1	0.0844211	31.2824	32.6987
FBgn00375	40967	CG9636	0	0	1	0.0843176	20.1314	21.042
FBgn00349	37860	CG4049	0	0	1	0.0840005	4.46542	4.66637
FBgn00306	32512	CG12379	0	0	1	0.0839552	7.2891	7.61663
FBgn00342	36986	MESR4	0	0	1	0.08394	10.162	10.6189
FBgn00336	36244	CG9003	0	0	1	0.0839063	17.3242	18.1027
FBgn00395	43357	CG4884	0	0	1	0.0839002	7.84994	8.20256
FBgn02599	8674056	CG42487	0	0	1	0.0839002	7.84994	8.20256
FBgn00275	38928	cert	0	0	1	0.0838445	27.7778	29.0248
FBgn00001	48224	Aprt	0	0	1	0.0837882	8.68786	9.07735
FBgn00377	41179	trbd	0	0	1	0.0837534	21.6769	22.6486
FBgn00331	35622	Tsp42El	0	0	1	0.0836694	62.0019	64.7773
FBgn00105	46059	Sply	0	0	1	0.083639	34.3886	35.9272
FBgn00155	40902	alpha-Est6	0	0	1	0.083547	16.5083	17.2457
FBgn02629	12798047	CG43290	0	0	1	0.0834803	29.4255	30.7384
FBgn00386	42242	CG7702	0	0	1	0.0834171	12.4343	12.9886
FBgn00368	40051	CG14074	0	0	1	0.083373	3.6785	3.84222
FBgn00012	39075	Hsp26	0	0	1	0.0833617	46.2525	48.3126
FBgn00390	42700	CG4723	0	0	1	0.0833481	9.32598	9.74121
FBgn00315	33639	CG17612	0	0	1	0.0832153	4.21525	4.40247
FBgn00136	19893555	mt:ND6	0	0	1	0.0831832	7.89177	8.24191
FBgn00137	36264	Mtor	0	0	1	0.083141	10.6723	11.1459
FBgn00304	32229	CG12717	0	0	1	0.0831182	4.17567	4.36087
FBgn00242	44432	IKKbeta	0	0	1	0.0831036	14.9539	15.6171

FBgn02646	41365	mgr	0	0	1	0.0830936	34.9199	36.4684
FBgn00354	38401	CG12078	0	0	1	0.0830788	21.5982	22.5556
FBgn00329	35434	CG11634	0	0	1	0.0830722	21.1656	22.1038
FBgn00270	34433	STUB1	0	0	1	0.0830342	35.3625	36.9291
FBgn00367	39976	Adgf-A	0	0	1	0.0830342	17.449	18.222
FBgn00357	38744	SP1173	0	0	1	0.0830333	23.1485	24.1741
FBgn00319	34095	baf	0	0	1	0.0829596	51.8313	54.1247
FBgn00021	38248	dre4	0	0	1	0.0828837	17.5355	18.3105
FBgn00521	317885	CG32152	0	0	1	0.0828751	7.55465	7.88846
FBgn02637	41843	eIF2gamma	0	0	1	0.0828558	38.4471	40.1455
FBgn02647	42215	Vti1b	0	0	1	0.0827091	3.65605	3.81699
FBgn00368	40079	CG3797	0	0	1	0.0825716	13.6741	14.2753
FBgn00324	34654	CG6405	0	0	1	0.0825406	8.82849	9.21634
FBgn00520	38990	Cpr66D	0	0	1	0.0824914	3.50101	3.65456
FBgn02652	19835868	CG44271	0	0	1	0.0824914	15.7045	16.3938
FBgn00370	40289	CG13252	0	0	1	0.0824328	21.3931	22.3315
FBgn00339	36579	CG8485	0	0	1	0.0822493	23.2965	24.3154
FBgn00103	32551	CycD	0	0	1	0.0822174	7.71964	8.05702
FBgn00285	40456	Rich	0	0	1	0.0821612	14.7262	15.3693
FBgn00864	35193	l(2)37Cd	0	0	1	0.0821466	4.12289	4.30279
FBgn00395	43374	Moca-cyp	0	0	1	0.0821131	12.5355	13.0825
FBgn00503	37429	Sgf29	0	0	1	0.0821069	6.35512	6.63224
FBgn00866	42314	Ino80	0	0	1	0.0820955	5.00126	5.21941
FBgn00298	31500	CG15771	0	0	1	0.0819778	25.3712	26.4759
FBgn00354	38400	CG17746	0	0	1	0.0819532	19.9799	20.8494
FBgn00317	33837	lid	0	0	1	0.0818657	12.3067	12.8415
FBgn02619	49045	Gprk2	0	0	1	0.0818503	10.9388	11.4141
FBgn00365	39734	GXIVsPLA2	0	0	1	0.0817993	23.6379	24.6639
FBgn00372	40599	CG1129	0	0	1	0.0817862	27.8877	29.098
FBgn00374	40871	CG10053	0	0	1	0.0817781	18.5188	19.3223
FBgn00839	318872	CG34126	0	0	1	0.0817666	13.1322	13.7019
FBgn00517	326155	AspRS-m	0	0	1	0.08162	20.2984	21.177
FBgn02609	33230	rempA	0	0	1	0.0816061	12.4243	12.9619
FBgn00359	39015	TrpA1	0	0	1	0.0815622	1.59715	1.66616

FBgn00383	41910	Acyp2	0	0	1	0.0815622	34.5898	36.0851
FBgn00155	42026	nonA-l	0	0	1	0.0815254	14.6874	15.322
FBgn00032	38494	Ras64B	0	0	1	0.0814933	39.4442	41.1477
FBgn00148	41844	Set	0	0	1	0.0814585	27.2357	28.4112
FBgn02610	36526	stj	0	0	1	0.0814486	10.1465	10.5844
FBgn00420	35560	Bap170	0	0	1	0.0814286	7.96641	8.31008
FBgn00335	3772165	Pex6	0	0	1	0.081421	14.3317	14.9499
FBgn00397	43611	CG2218	0	0	1	0.0814185	12.5454	13.0865
FBgn00056	36575	Sox15	0	0	1	0.0813377	0.952019	0.992968
FBgn02664	41694	Nsf2	0	0	1	0.0813205	15.8895	16.5737
FBgn00396	43467	CG14506	0	0	1	0.0811986	2.08844	2.17813
FBgn00392	43003	veli	0	0	1	0.0811704	16.4662	17.1733
FBgn00316	33661	HP6	0	0	1	0.0811515	6.84042	7.13371
FBgn00319	34065	Herp	0	0	1	0.0811445	36.3332	37.8933
FBgn00375	40959	CG7878	0	0	1	0.0810997	31.7873	33.1511
FBgn00511	318604	Slimp	0	0	1	0.0810321	8.89375	9.27477
FBgn00289	49808	Spn42Dd	0	0	1	0.0809971	51.2386	53.4331
FBgn00393	43093	jigr1	0	0	1	0.0809732	5.22023	5.44368
FBgn00365	39669	CG7275	0	0	1	0.0808937	13.522	14.1
FBgn00014	32069	l(1)10Bb	0	0	1	0.0807605	28.5509	29.7687
FBgn00318	33988	Rab30	0	0	1	0.0807513	17.8341	18.5947
FBgn00319	34073	CG14535	0	0	1	0.0806586	1.13116	1.1793
FBgn00045	43236	Ets97D	0	0	1	0.080638	8.87476	9.25246
FBgn00048	44889	ph-d	0	0	1	0.0806357	4.84777	5.05411
FBgn00298	31593	Pat1	0	0	1	0.0805857	15.0407	15.6804
FBgn00335	36145	CG12344	0	0	1	0.080555	3.37891	3.52247
FBgn00370	40283	Rcd2	0	0	1	0.0804648	20.3007	21.1623
FBgn00539	40252	CG33969	0	0	1	0.080364	19.3895	20.2109
FBgn00321	34362	CG5694	0	0	1	0.0802772	13.4259	13.9939
FBgn00030	45910	ort	0	0	1	0.0802333	1.46893	1.53092
FBgn00248	41150	AP-1mu	0	0	1	0.0801809	34.4612	35.9168
FBgn00020	48805	Catsup	0	0	1	0.0801758	46.852	48.8308
FBgn00524	318035	CG32452	0	0	1	0.0801223	2.84842	2.96851
FBgn00339	36567	CG18327	0	0	1	0.0799232	11.708	12.2002

FBgn00301	31880	Cfp1	0	0	1	0.079871	6.45427	6.72537
FBgn02675	26067057	CCY	0	0	1	0.0798555	6.97596	7.26895
FBgn02662	19836135	asRNA:CR4	0	0	1	0.0797772	3.93152	4.09612
FBgn00320	34144	CG14275	0	0	1	0.0796979	9.40182	9.79543
FBgn00312	33157	Ir21a	0	0	1	0.0796579	2.31633	2.41321
FBgn00317	33857	Pfdn1	0	0	1	0.0796579	46.2197	48.1542
FBgn00275	35756	nito	0	0	1	0.0796258	10.2216	10.6493
FBgn00353	38365	CG16753	0	0	1	0.0795975	7.93434	8.26582
FBgn00056	43278	DNApol-alp	0	0	1	0.0795365	1.45359	1.51419
FBgn00308	32753	CG8173	0	0	1	0.0794955	5.50039	5.72986
FBgn00027	35523	mle	0	0	1	0.0794941	18.8732	19.6611
FBgn00343	37081	CG10916	0	0	1	0.0793815	17.4653	18.1929
FBgn00353	38303	CG9004	0	0	1	0.0792613	5.47301	5.70047
FBgn02648	14462665	CR44055	0	0	1	0.0792549	11.775	12.2642
FBgn00513	43177	CG31324	0	0	1	0.0791953	5.26377	5.48231
FBgn00351	38022	CG7049	0	0	1	0.0791259	10.5053	10.9408
FBgn00342	36996	RhoGAP54I	0	0	1	0.079115	2.31783	2.41388
FBgn00383	41912	CG9593	0	0	1	0.0790275	2.27707	2.37115
FBgn00275	40789	CG1024	0	0	1	0.0789944	4.30328	4.48127
FBgn00263	42862	Tsc1	0	0	1	0.0789612	11.9263	12.4195
FBgn02666	19835896	asRNA:CR4	0	0	1	0.0789612	4.64933	4.84142
FBgn00857	5740523	CR40679	0	0	1	0.0788941	2.83012	2.94676
FBgn00374	40843	Ufl1	0	0	1	0.0788167	23.453	24.4205
FBgn00031	32640	r	0	0	1	0.0787237	4.80743	5.00541
FBgn02709	43746	betaGlu	0	0	1	0.0786891	14.6608	15.2642
FBgn02625	12798585	CG43098	0	0	1	0.078666	12.951	13.4835
FBgn00330	35515	Tsp42A	0	0	1	0.0786544	9.44637	9.83476
FBgn02665	35565	Dpit47	0	0	1	0.0786195	9.98839	10.3989
FBgn00406	50157	CG12589	0	0	1	0.0784422	5.90504	6.14693
FBgn00267	39671	CG7857	0	0	1	0.0784351	22.6689	23.5977
FBgn02625	36831	wcd	0	0	1	0.0783701	6.68829	6.96191
FBgn00306	32453	PPYR1	0	0	1	0.07825	18.3181	19.0661
FBgn00300	31766	CG1636	0	0	1	0.0781866	20.8696	21.721
FBgn00324	34640	rho-6	0	0	1	0.0781866	2.8867	3.00418

FBgn00358	38887	HP4	0	0	1	0.0781866	19.1582	19.9395
FBgn00382	41766	CG8066	0	0	1	0.0781493	46.7947	48.7026
FBgn00399	43804	mav	0	0	1	0.0781454	29.4205	30.62
FBgn00377	41244	CG6254	0	0	1	0.0780742	5.43379	5.65492
FBgn00310	33015	Phf7	0	0	1	0.0779601	2.15348	2.24088
FBgn02664	39645	CTPsyn	0	0	1	0.0779216	14.2892	14.8695
FBgn00327	35127	CG10343	0	0	1	0.0778971	35.1953	36.6237
FBgn00148	36508	Roe1	0	0	1	0.0778442	40.3913	42.0292
FBgn00373	40723	Hpr1	0	0	1	0.0778312	13.9454	14.5107
FBgn00282	31874	ric8a	0	0	1	0.0778051	5.41152	5.63073
FBgn00117	47285	repo	0	0	1	0.077779	2.673	2.78118
FBgn02674	26067136	asRNA:CR4	0	0	1	0.0776868	10.9846	11.4285
FBgn00155	34842	spel1	0	0	1	0.0776069	4.77347	4.96618
FBgn02599	32646	Sep-04	0	0	1	0.0776038	10.2067	10.6188
FBgn00350	37927	Start1	0	0	1	0.0774791	14.2458	14.8197
FBgn00299	31682	CG12155	0	0	1	0.0773412	7.73784	8.04874
FBgn00048	44543	enc	0	0	1	0.0773007	9.74366	10.135
FBgn00839	4379860	Muted	0	0	1	0.0772753	19.0678	19.8331
FBgn00369	40270	isoQC	0	0	1	0.0772671	13.2252	13.756
FBgn00391	42858	CG13605	0	0	1	0.0772645	14.287	14.8603
FBgn02603	45969	gwl	0	0	1	0.0772645	5.0068	5.20766
FBgn00347	37601	RYBP	0	0	1	0.0772552	10.381	10.7974
FBgn00284	31481	CG4119	0	0	1	0.0772177	6.01983	6.26118
FBgn00532	2768938	CG33281	0	0	1	0.0771942	6.45448	6.71303
FBgn00370	40371	CG5664	0	0	1	0.0771451	12.698	13.2065
FBgn00270	38581	LeuRS-m	0	0	1	0.0770488	8.45247	8.79031
FBgn00409	50392	schlank	0	0	1	0.0770124	29.7185	30.9058
FBgn02678	26067456	asRNA:CR4	0	0	1	0.0769147	62.9101	65.4191
FBgn02668	19835573	CR45280	0	0	1	0.0768918	1.19455	1.24203
FBgn00345	37339	DMAP1	0	0	1	0.0768413	11.1297	11.5728
FBgn00396	43494	Obp99c	0	0	1	0.0768413	131.925	137.18
FBgn00382	41805	CG3817	0	0	1	0.0768328	8.57291	8.91398
FBgn00302	32084	CG15196	0	0	1	0.0767137	26.7903	27.8548
FBgn00241	3771960	waw	0	0	1	0.0766893	16.9595	17.6331

FBgn02636	14462419	CR43656	0	0	1	0.0766231	3.58665	3.72871
FBgn00379	41393	CG14710	0	0	1	0.0765315	5.07308	5.2738
FBgn00398	43707	CG1607	0	0	1	0.0764836	20.9226	21.7506
FBgn00309	32831	Hayan	0	0	1	0.0764575	5.10403	5.30579
FBgn00391	42906	CG18528	0	0	1	0.0763452	2.90343	3.01785
FBgn00344	37178	CG15084	0	0	1	0.0762822	6.50475	6.76094
FBgn02669	41014	Cenp-C	0	0	1	0.0762504	5.19072	5.3952
FBgn00504	246621	CG30447	0	0	1	0.0760437	20.6837	21.4953
FBgn00314	33514	Sf3b2	0	0	1	0.0760319	16.9906	17.6574
FBgn00155	31767	nAChRalph	0	0	1	0.0759989	1.1381	1.18271
FBgn00381	41622	CG8141	0	0	1	0.0759989	13.871	14.4148
FBgn00362	39421	CG10663	0	0	1	0.0759595	2.25151	2.33966
FBgn00402	32581	kat80	0	0	1	0.0759595	5.70243	5.92585
FBgn00344	37209	CG11906	0	0	1	0.0759266	6.24403	6.48849
FBgn00349	37814	Fmo-1	0	0	1	0.07591	6.54048	6.79638
FBgn02646	31903	Lst8	0	0	1	0.0758935	12.1654	12.6415
FBgn00249	31267	CG2712	0	0	1	0.0758602	2.62035	2.72269
FBgn00279	38228	CG12018	0	0	1	0.0758602	3.40816	3.54126
FBgn00392	42937	CG6695	0	0	1	0.07578	7.45602	7.74721
FBgn00373	40650	Orco	0	0	1	0.0757598	1.20338	1.2502
FBgn00380	41495	CG10038	0	0	1	0.0757598	15.5781	16.1862
FBgn00113	35900	babo	0	0	1	0.0757492	17.5497	18.2349
FBgn00528	318244	CG32846	0	0	1	0.0757396	17.0622	17.7281
FBgn00275	35500	CG1344	0	0	1	0.0757287	20.0962	20.8805
FBgn00634	37113	GstE8	0	0	1	0.0756922	18.8599	19.5952
FBgn00296	31351	CG6428	0	0	1	0.0756377	8.68505	9.02335
FBgn00320	34127	Pvr	0	0	1	0.0756195	15.8531	16.4705
FBgn00328	35265	fbp	0	0	1	0.0756172	38.9801	40.4982
FBgn00102	31701	bys	0	0	1	0.075496	10.716	11.1322
FBgn00324	34709	Sfmbt	0	0	1	0.0754574	7.88205	8.18809
FBgn00012	35169	hook	0	0	1	0.0754463	21.026	21.8422
FBgn00347	37536	Vps35	0	0	1	0.0754349	30.976	32.1784
FBgn00291	3772101	Ext2	0	0	1	0.0754035	9.44433	9.81062
FBgn00382	41797	CG3631	0	0	1	0.0753882	4.15696	4.31807

FBgn02665	31374	NO66	0	0	1	0.0752968	13.309	13.8242
FBgn00392	42990	tnc	0	0	1	0.0752336	4.16779	4.32895
FBgn00299	31620	pod1	0	0	1	0.0751381	10.9049	11.3258
FBgn00384	42044	CG18622	0	0	1	0.0751313	8.94095	9.28581
FBgn00012	32661	if	0	0	1	0.0751047	18.5547	19.2705
FBgn00863	36920	tef	0	0	1	0.0750586	3.12952	3.25
FBgn02628	3346162	Gfrl	0	0	1	0.0750083	3.72509	3.86852
FBgn02604	42617	CG7071	0	0	1	0.075	18.5783	19.2935
FBgn02635	12798028	CR43608	0	0	1	0.0749853	8.39379	8.71647
FBgn00030	37069	Pcl	0	0	1	0.0748427	6.64719	6.90232
FBgn00264	39365	Grip163	0	0	1	0.0748369	4.36076	4.52809
FBgn00284	36654	Ercc1	0	0	1	0.0747994	4.68321	4.86249
FBgn00866	41025	p	0	0	1	0.0747869	18.31	19.0122
FBgn00275	33389	TBCD	0	0	1	0.0747366	15.3967	15.9866
FBgn00300	31763	CG1632	0	0	1	0.074686	0.514695	0.534313
FBgn02660	19835734	CR44811	0	0	1	0.074686	1.7845	1.85252
FBgn00326	35102	CG10283	0	0	1	0.0746205	5.08479	5.27908
FBgn00342	37031	CG18635	0	0	1	0.0746172	10.6773	11.0853
FBgn00296	31355	CG6379	0	0	1	0.0745942	6.62062	6.87351
FBgn00228	43026	Cad96Ca	0	0	1	0.0745876	5.26045	5.46133
FBgn00369	40241	CG5618	0	0	1	0.0745596	19.4609	20.204
FBgn02608	31030	Sec22	0	0	1	0.0745307	54.2141	56.2832
FBgn00289	44271	xmas-2	0	0	1	0.0744973	4.76872	4.95055
FBgn00303	32153	Upf1	0	0	1	0.0743764	12.6462	13.1274
FBgn00247	43809	Slip1	0	0	1	0.0743647	36.4505	37.8373
FBgn00343	37155	CG15073	0	0	1	0.0743539	7.43224	7.71479
FBgn02654	19835996	asRNA:CR4	0	0	1	0.074337	11.5922	12.0328
FBgn02671	19835789	asRNA:CR4	0	0	1	0.074337	5.35598	5.55943
FBgn00242	3772670	bbx	0	0	1	0.0742789	15.761	16.3596
FBgn02633	12798078	CG43441	0	0	1	0.0742775	15.2204	15.798
FBgn00235	45706	Cyp4d14	0	0	1	0.0742637	33.3548	34.6213
FBgn00286	33738	Rpn11	0	0	1	0.0742576	53.9558	56.0044
FBgn02435	37521	Vrp1	0	0	1	0.0742297	16.5556	17.1838
FBgn00521	261607	CG32174	0	0	1	0.0739598	18.4835	19.1813

FBgn00392	43029	CG13663	0	0	1	0.073939	18.6186	19.3209
FBgn00278	31806	Ogg1	0	0	1	0.0739125	6.51019	6.75549
FBgn00258	44446	HDAC3	0	0	1	0.0738814	10.2516	10.6379
FBgn02665	19835016	CG45100	0	0	1	0.0738814	10.2516	10.6379
FBgn00372	40566	CG14650	0	0	1	0.073879	15.2515	15.8264
FBgn00159	39439	ara	0	0	1	0.0738502	1.43664	1.49064
FBgn00511	46155	CG31195	0	0	1	0.0738305	20.1756	20.9354
FBgn00387	42364	Arc42	0	0	1	0.0737666	17.9037	18.5769
FBgn00389	42580	dnd	0	0	1	0.0737245	10.0782	10.4566
FBgn00860	5740852	snoRNA:M	0	0	1	0.0737245	79.8999	82.8985
FBgn00351	38033	thoc7	0	0	1	0.073565	18.0189	18.6937
FBgn00319	34094	CG7367	0	0	1	0.0735543	3.82659	3.96973
FBgn00371	40488	CG14451	0	0	1	0.073468	2.38711	2.47595
FBgn02642	14462779	CR43763	0	0	1	0.073468	9.68033	10.0415
FBgn00331	35654	Dhx15	0	0	1	0.0734494	21.2269	22.0205
FBgn00285	34953	EndoGI	0	0	1	0.0734028	32.8873	34.1157
FBgn00426	39943	frc	0	0	1	0.0734009	18.7844	19.486
FBgn02660	37874	ocm	0	0	1	0.0732711	4.52949	4.69822
FBgn00327	35145	mRpL13	0	0	1	0.0732578	15.333	15.9036
FBgn00377	261329	CG8176	0	0	1	0.0732489	19.3439	20.0644
FBgn00400	53569	pins	0	0	1	0.0732378	10.049	10.4231
FBgn00517	318940	CG31785	0	0	1	0.0732045	1.36508	1.41562
FBgn00853	5740378	CG34328	0	0	1	0.0732045	4.08427	4.23547
FBgn02651	42979	PIG-S	0	0	1	0.0732045	13.9821	14.5022
FBgn00839	4379884	CG34132	0	0	1	0.0731663	26.8191	27.8157
FBgn00267	34176	fu12	0	0	1	0.0731343	40.0229	41.5101
FBgn00397	43529	dgt1	0	0	1	0.0731151	7.26152	7.53114
FBgn00358	2768948	Pura	0	0	1	0.0730737	10.3954	10.7813
FBgn00273	37478	Tim10	0	0	1	0.0730229	123.05	127.612
FBgn02632	317878	Nxf3	0	0	1	0.0729581	12.1709	12.6217
FBgn02648	14462570	asRNA:CR4	0	0	1	0.0729338	1.48192	1.53649
FBgn00346	37427	MFS16	0	0	1	0.0728764	17.2531	17.891
FBgn00395	43358	CG4849	0	0	1	0.0728335	7.10524	7.36764
FBgn02648	14462485	koko	0	0	1	0.0727358	9.89593	10.2606

FBgn00393	43042	CG11857	0	0	1	0.0727204	57.9754	60.1126
FBgn02597	33894	CG42369	0	0	1	0.0727187	57.4842	59.6031
FBgn00500	35995	GstT1	0	0	1	0.0726388	34.0819	35.336
FBgn00372	40547	CG1103	0	0	1	0.072615	10.0279	10.3966
FBgn00354	38468	CG12605	0	0	1	0.0725292	9.54693	9.89753
FBgn00351	38027	rno	0	0	1	0.0725168	6.90922	7.16289
FBgn00305	32323	CG11164	0	0	1	0.0723692	1.30811	1.35573
FBgn00117	41126	alpha-Man	0	0	1	0.0723392	14.2785	14.8009
FBgn00518	326166	Tap42	0	0	1	0.0722964	17.6629	18.3084
FBgn00349	37875	cN-IIIB	0	0	1	0.0722898	14.1214	14.6374
FBgn00504	246618	Opbp	0	0	1	0.072223	6.41573	6.64975
FBgn00019	34956	crp	0	0	1	0.0721739	17.3207	17.9524
FBgn00104	36195	TpnC47D	0	0	1	0.0721343	12.3038	12.7517
FBgn00384	42047	CG3534	0	0	1	0.0721154	21.6664	22.4555
FBgn00350	37923	CG11414	0	0	1	0.072112	24.839	25.7438
FBgn00295	31131	CG14810	0	0	1	0.0720748	5.36822	5.56306
FBgn02604	8674084	CG42524	0	0	1	0.0720748	0.797114	0.825959
FBgn02630	12798343	CG43351	0	0	1	0.0720748	48.1445	49.8954
FBgn00048	32080	hop	0	0	1	0.0720067	8.43824	8.74493
FBgn00046	42226	fru	0	0	1	0.0719675	1.4693	1.52265
FBgn00358	38931	Arl5	0	0	1	0.0719496	17.3194	17.948
FBgn00286	317846	Vha16-3	0	0	1	0.0719243	5.97712	6.1934
FBgn00298	31611	CG14441	0	0	1	0.0718913	6.12928	6.35155
FBgn00527	318193	CG32756	0	0	1	0.0718534	12.0414	12.4777
FBgn00235	45707	FarO	0	0	1	0.0718483	13.7296	14.2269
FBgn02629	41721	RpII140	0	0	1	0.0717471	23.5945	24.4478
FBgn00367	39964	Vps60	0	0	1	0.0717068	66.0533	68.44
FBgn00334	36034	CG15863	0	0	1	0.0716687	10.143	10.5085
FBgn00353	38274	CG15879	0	0	1	0.0716168	5.46523	5.66207
FBgn00356	38675	alphaKap4	0	0	1	0.0716027	27.7329	28.7328
FBgn00511	41075	CG31100	0	0	1	0.0715543	14.1205	14.6291
FBgn00340	36804	krimp	0	0	1	0.0715228	3.709	3.84238
FBgn00326	35009	CG17928	0	0	1	0.0715123	34.4256	35.6646
FBgn02639	31625	nonC	0	0	1	0.0714755	7.12378	7.38001

FBgn00322	34412	mRpS7	0	0	1	0.0714488	59.7372	61.8845
FBgn00308	32741	CG8289	0	0	1	0.0713255	20.1558	20.8785
FBgn00870	7354432	CG42231	0	0	1	0.0713231	8.70916	9.02122
FBgn00264	44451	ear	0	0	1	0.0712925	9.87315	10.2269
FBgn00374	40795	Zif	0	0	1	0.0712801	19.7858	20.4945
FBgn02629	5740790	Rpb12	0	0	1	0.0712105	47.5784	49.2797
FBgn00381	41635	CG8774	0	0	1	0.0711974	6.51469	6.7476
FBgn00368	40131	CG9330	0	0	1	0.071029	39.6454	41.0587
FBgn00048	34881	Su(H)	0	0	1	0.0709739	6.25884	6.48159
FBgn02645	14462830	CG43915	0	0	1	0.0709739	4.14274	4.28978
FBgn00519	261613	CG31908	0	0	1	0.0709141	21.581	22.3485
FBgn00399	3354996	CG17168	0	0	1	0.0708788	16.9848	17.5882
FBgn00376	41070	CAHbeta	0	0	1	0.070868	17.7017	18.3304
FBgn00322	34444	CG13144	0	0	1	0.070807	4.70298	4.86962
FBgn02678	26067447	CR46131	0	0	1	0.070807	2.67767	2.77205
FBgn00383	41939	CG4287	0	0	1	0.0707719	53.3522	55.2442
FBgn00333	35858	CG14744	0	0	1	0.0707508	4.09562	4.24066
FBgn02621	40694	Sec23	0	0	1	0.0707031	42.0646	43.5543
FBgn00379	41433	CG6950	0	0	1	0.070645	44.731	46.3133
FBgn00371	40487	ArfGAP3	0	0	1	0.0705855	31.0397	32.1363
FBgn00520	39178	CG32053	0	0	1	0.0705519	4.4683	4.6258
FBgn00521	39448	CG32113	0	0	1	0.0705149	5.32486	5.51271
FBgn00321	34240	CG13108	0	0	1	0.0704655	1.74302	1.80402
FBgn02663	19835867	CR44986	0	0	1	0.070329	59.2436	61.3254
FBgn02669	19835501	asRNA:CR4	0	0	1	0.0702908	12.6872	13.1322
FBgn02651	40982	Sgt1	0	0	1	0.0702865	67.7353	70.1137
FBgn00374	40794	CG9727	0	0	1	0.0701767	12.7162	13.1618
FBgn00310	32921	CG8010	0	0	1	0.0701133	6.52169	6.74964
FBgn00339	36676	CG10265	0	0	1	0.0700734	11.2322	11.6246
FBgn00335	36168	CG13229	0	0	1	0.0700234	2.70505	2.79936
FBgn00584	3355120	CG40439	0	0	1	0.0700152	27.5313	28.4922
FBgn00291	44131	Mkrn1	0	0	1	0.0700021	33.7651	34.9439
FBgn00140	39443	Ptp69D	0	0	1	0.0698338	11.9017	12.3158
FBgn00854	50356	CG34401	0	0	1	0.0698138	2.93509	3.03715

FBgn00328	35338	Ns4	0	0	1	0.0697497	24.999	25.8671
FBgn00284	34276	Mtpalpha	0	0	1	0.069738	38.2124	39.5392
FBgn00382	41787	CG7362	0	0	1	0.0696233	30.845	31.9134
FBgn00348	37702	Golgin245	0	0	1	0.0695943	22.9279	23.7216
FBgn00344	37189	CG18605	0	0	1	0.0695635	4.35736	4.50783
FBgn00311	33141	CG17600	0	0	1	0.0694693	2.63107	2.72175
FBgn00383	41904	CG5623	0	0	1	0.0694693	24.5497	25.3971
FBgn00157	45556	Cyp6a17	0	0	1	0.0694602	62.1019	64.2458
FBgn00037	33753	tkv	0	0	1	0.0692533	22.0483	22.8062
FBgn00362	39330	CG5964	0	0	1	0.0692465	3.41225	3.52938
FBgn00434	192507	CG4747	0	0	1	0.0692397	31.011	32.0766
FBgn00330	35492	CG10417	0	0	1	0.0692373	37.8095	39.1087
FBgn00275	40448	CG7139	0	0	1	0.0692097	16.4503	17.0151
FBgn02600	39505	flr	0	0	1	0.0691956	31.3907	32.4684
FBgn02634	12798587	CR43485	0	0	1	0.0691821	7.1269	7.37055
FBgn00002	39744	brm	0	0	1	0.0689952	13.9406	14.4171
FBgn02664	19834808	CR45040	0	0	1	0.0689866	1.71646	1.77464
FBgn00366	39874	CG13025	0	0	1	0.0689427	4.83631	5.00135
FBgn00402	32470	Scamp	0	0	1	0.0689218	36.6735	37.9254
FBgn00379	41409	CG6834	0	0	1	0.0689134	15.811	16.3506
FBgn00160	39034	smg	0	0	1	0.0687362	9.84865	10.1835
FBgn00520	317817	CG32006	0	0	1	0.0687074	9.94036	10.2779
FBgn00274	36133	wde	0	0	1	0.0686513	10.6737	11.0359
FBgn00235	31158	CG11596	0	0	1	0.0686171	11.4636	11.8522
FBgn00203	31913	Sp1	0	0	1	0.0685858	1.51075	1.56185
FBgn00275	40760	Osi6	0	0	1	0.0685858	0.888726	0.91859
FBgn00308	32776	CG7772	0	0	1	0.0684949	17.7131	18.3118
FBgn00381	41671	Task6	0	0	1	0.0684741	3.69852	3.82351
FBgn00371	40400	CG11307	0	0	1	0.0684492	6.43354	6.65069
FBgn02664	38371	CG45067	0	0	1	0.0683803	1.19926	1.23956
FBgn00399	43820	Kif3C	0	0	1	0.0683614	4.14938	4.28927
FBgn00108	45399	TrpRS	0	0	1	0.0683314	33.3415	34.4654
FBgn02671	19834850	asRNA:CR4	0	0	1	0.068311	25.1179	25.9632
FBgn00104	34883	TfIIS	0	0	1	0.0682274	13.8955	14.3627

FBgn00332	35781	udd	0	0	1	0.0681713	9.68706	10.0122
FBgn02591	38786	corn	0	0	1	0.0681311	6.14719	6.35349
FBgn00270	32841	HisRS	0	0	1	0.0680751	12.5528	12.9736
FBgn02662	42876	jnj	0	0	1	0.0679808	26.2962	27.1761
FBgn00298	31602	CG3198	0	0	1	0.0679444	9.75679	10.083
FBgn00318	34000	CG4496	0	0	1	0.067851	2.33398	2.41169
FBgn00322	34422	Klp31E	0	0	1	0.0677423	8.37087	8.64945
FBgn00539	3772013	His2B:CG33	0	0	1	0.0677423	2.66382	2.75167
FBgn00396	43491	Cap-D2	0	0	1	0.0676328	1.48698	1.53626
FBgn00137	38198	Bgb	0	0	1	0.0675222	5.12698	5.29647
FBgn00256	31004	CG13366	0	0	1	0.0675159	10.0973	10.4318
FBgn00263	37034	aft	0	0	1	0.0675	13.7951	14.2519
FBgn00531	326258	CG33109	0	0	1	0.0675	31.1434	32.1744
FBgn00523	317977	CG32320	0	0	1	0.0674778	3.06935	3.17077
FBgn00317	33849	CG12393	0	0	1	0.067448	7.77437	8.03131
FBgn00406	3885599	CG13516	0	0	1	0.0674209	13.2603	13.6984
FBgn00300	31833	CG7246	0	0	1	0.0674107	3.10323	3.20557
FBgn00366	39917	rogdi	0	0	1	0.0674054	28.0871	29.0153
FBgn00342	37017	CG4984	0	0	1	0.0673983	8.21504	8.48639
FBgn00003	34967	cni	0	0	1	0.0673597	59.1184	61.0702
FBgn00386	42254	CG7718	0	0	1	0.0673283	12.3762	12.7843
FBgn00056	35253	spi	0	0	1	0.0673101	33.1475	34.2407
FBgn00348	37697	CG3500	0	0	1	0.0672982	11.6741	12.0585
FBgn02628	33139	S6kII	0	0	1	0.0672716	4.44079	4.58707
FBgn00383	41833	SIDL	0	0	1	0.0671951	9.54943	9.8635
FBgn00392	42963	CG7006	0	0	1	0.0671847	8.87611	9.16738
FBgn00229	40580	rpk	0	0	1	0.0671584	8.07005	8.33517
FBgn00364	39654	Msh6	0	0	1	0.0671562	6.1747	6.37757
FBgn00349	37884	CG3376	0	0	1	0.0671377	13.256	13.6915
FBgn00371	40410	Als2	0	0	1	0.067107	15.5317	16.0417
FBgn00351	38081	CG3386	0	0	1	0.0671031	6.17056	6.3729
FBgn00318	33976	CG3430	0	0	1	0.0669933	2.36772	2.44502
FBgn00378	41305	CG4511	0	0	1	0.0669597	47.8614	49.4278
FBgn00363	39540	ssp2	0	0	1	0.0668965	19.4324	20.0676

FBgn00511	42487	CG31189	0	0	1	0.0668381	9.33578	9.63996
FBgn00351	38079	Rev1	0	0	1	0.0668069	7.18308	7.41728
FBgn00005	36238	E(Pc)	0	0	1	0.0667843	8.65749	8.93976
FBgn00381	41676	CG14367	0	0	1	0.0667755	19.3307	19.9605
FBgn00516	318845	CG31609	0	0	1	0.066771	19.5398	20.1758
FBgn00241	40333	Ac78C	0	0	1	0.0666567	2.93085	3.02609
FBgn00312	33190	CG3645	0	0	1	0.0665366	8.70567	8.98774
FBgn00340	36767	CG8397	0	0	1	0.0665032	85.1105	87.8682
FBgn00347	37599	CG4250	0	0	1	0.0664579	35.1085	36.2443
FBgn00389	42662	CG6937	0	0	1	0.0664303	8.19092	8.45555
FBgn00397	43528	Cad99C	0	0	1	0.0663611	1.5773	1.62817
FBgn00358	38888	CG8209	0	0	1	0.0663222	29.4599	30.4105
FBgn00027	37402	mago	0	0	1	0.0663003	22.1091	22.822
FBgn00359	38968	ZC3H3	0	0	1	0.0662527	6.69973	6.91539
FBgn00852	37018	CG34195	0	0	1	0.0661982	7.67969	7.92645
FBgn00316	326172	CG31918	0	0	1	0.066116	3.99865	4.1269
FBgn00289	45250	deltaCOP	0	0	1	0.0661002	32.7913	33.8443
FBgn00365	39742	CG17027	0	0	1	0.0660954	23.309	24.0573
FBgn00527	326235	Cubn	0	0	1	0.0660664	3.32973	3.43656
FBgn02677	41138	rump	0	0	1	0.0660305	39.0684	40.3211
FBgn00103	36288	128up	0	0	1	0.0659266	28.8301	29.7522
FBgn02678	26067454	asRNA:CR4	0	0	1	0.065905	13.2072	13.6292
FBgn00340	36713	CG8180	0	0	1	0.0658663	2.8615	2.95273
FBgn02604	43298	CG42534	0	0	1	0.0658663	0.470404	0.485349
FBgn02613	40153	CG42637	0	0	1	0.0657755	8.94621	9.2314
FBgn00374	40782	CG18048	0	0	1	0.0657651	5.28897	5.4572
FBgn00327	35125	CG10341	0	0	1	0.0657281	8.75915	9.03787
FBgn00380	41568	NijC	0	0	1	0.0656972	6.69109	6.90367
FBgn00402	53561	cmet	0	0	1	0.0656774	9.14586	9.43678
FBgn00403	31021	CG5273	0	0	1	0.0656507	44.8227	46.2478
FBgn00353	38283	CG9018	0	0	1	0.0655604	9.39221	9.68992
FBgn00501	37916	Brca2	0	0	1	0.0655525	5.85535	6.04097
FBgn02597	40031	bora	0	0	1	0.0655475	5.91689	6.10433
FBgn00378	41310	Tsp86D	0	0	1	0.0655416	9.09808	9.38637

FBgn00299	31656	CG4615	0	0	1	0.0654972	13.5016	13.9292
FBgn02627	39455	Sap130	0	0	1	0.0654238	7.51112	7.74862
FBgn00289	44000	Spt6	0	0	1	0.0654193	11.2561	11.6121
FBgn02657	19835208	CR44519	0	0	1	0.0653526	3.92919	4.0518
FBgn00354	38477	CG11593	0	0	1	0.0652274	11.1006	11.45
FBgn00371	40409	CG11249	0	0	1	0.0652005	31.2462	32.2294
FBgn00340	36772	CG8405	0	0	1	0.0651822	22.2963	22.9977
FBgn00342	37026	Sardh	0	0	1	0.0651416	2.64921	2.73228
FBgn00360	39144	CG6749	0	0	1	0.0650349	3.95721	4.081
FBgn02598	5740848	CG34229	0	0	1	0.0650349	15.3112	15.7902
FBgn02673	44054	Ubc7	0	0	1	0.0649693	41.6067	42.9091
FBgn00327	35212	CG17549	0	0	1	0.0649216	114.578	118.161
FBgn00331	35690	CG1598	0	0	1	0.0647814	33.2398	34.2757
FBgn00379	41390	wkd	0	0	1	0.0647187	29.6152	30.537
FBgn00312	33215	CG11885	0	0	1	0.0646823	41.3598	42.6453
FBgn02676	26067348	asRNA:CR4	0	0	1	0.0646823	0.751529	0.774833
FBgn00330	35511	CG7791	0	0	1	0.0646594	15.4897	15.9711
FBgn00235	31156	eIF2Bepsilc	0	0	1	0.0645839	8.19311	8.44716
FBgn00852	5740377	CG34228	0	0	1	0.0644515	30.8888	31.8431
FBgn00391	42861	GatB	0	0	1	0.0644049	9.55949	9.85463
FBgn00347	37641	nahoda	0	0	1	0.0643076	15.733	16.2181
FBgn00378	41307	CG14694	0	0	1	0.0643045	14.5025	14.9493
FBgn00326	35044	CG15141	0	0	1	0.0642924	16.8525	17.3717
FBgn00320	34146	CG14273	0	0	1	0.0642642	1.3104	1.35023
FBgn00345	37371	CG15649	0	0	1	0.0642642	3.6664	3.77861
FBgn00516	318835	CG31601	0	0	1	0.0642309	29.6687	30.5818
FBgn00276	40713	CG2082	0	0	1	0.0642063	40.4408	41.6848
FBgn00255	31664	unc-119	0	0	1	0.0641954	19.9059	20.5179
FBgn00398	43748	CG2126	0	0	1	0.0640934	10.6835	11.0109
FBgn00319	34063	CG7149	0	0	1	0.0640648	11.4067	11.7562
FBgn00300	31818	Rbm13	0	0	1	0.0640504	7.31848	7.54245
FBgn02674	26067159	asRNA:CR4	0	0	1	0.0639977	15.2092	15.6745
FBgn00531	318893	CG33127	0	0	1	0.0639615	72.1961	74.4041
FBgn00299	31630	Cht11	0	0	1	0.0639372	6.21061	6.40012

FBgn00284	32071	Kap3	0	0	1	0.0638569	10.4091	10.7266
FBgn00399	3354988	CG17163	0	0	1	0.0637322	9.88746	10.188
FBgn00309	14462413	CR6900	0	0	1	0.063687	4.09166	4.21427
FBgn00322	34434	Nse4	0	0	1	0.063687	9.02759	9.30156
FBgn00330	35499	CG11665	0	0	1	0.063687	43.4268	44.7466
FBgn02657	3354992	zyd	0	0	1	0.0636449	4.39914	4.53259
FBgn00140	34970	CG4278	0	0	1	0.0636416	16.9508	17.4649
FBgn00289	38595	AlaRS-m	0	0	1	0.0636132	6.85489	7.0627
FBgn00341	36824	CG8060	0	0	1	0.0635312	6.53458	6.73233
FBgn02621	37152	Sik3	0	0	1	0.0634847	17.338	17.8624
FBgn00297	31372	CG12692	0	0	1	0.0634751	39.7094	40.9101
FBgn00377	41143	JHDM2	0	0	1	0.0634495	4.32023	4.45063
FBgn00379	41441	Cad87A	0	0	1	0.0633293	5.6763	5.8473
FBgn00393	43079	MED28	0	0	1	0.0633293	9.20649	9.48317
FBgn00242	38976	foi	0	0	1	0.0632617	19.2004	19.778
FBgn00351	38134	CG9192	0	0	1	0.0632385	4.59148	4.72907
FBgn00040	42003	Dhfr	0	0	1	0.0632217	18.5657	19.123
FBgn00322	34477	CG6443	0	0	1	0.0631675	17.2852	17.8037
FBgn00344	37221	CG11961	0	0	1	0.0631006	29.3839	30.2646
FBgn00313	33305	CG4896	0	0	1	0.0630978	17.9098	18.4465
FBgn00381	41615	timeout	0	0	1	0.063086	1.87856	1.93472
FBgn00400	53522	lectin-46Cb	0	0	1	0.0630567	54.9976	56.644
FBgn00299	31731	CG1575	0	0	1	0.0630091	5.11778	5.27057
FBgn00138	43379	Dhc98D	0	0	1	0.0629019	4.84724	4.99182
FBgn00034	43906	skd	0	0	1	0.0628967	8.24911	8.49515
FBgn00411	38427	armi	0	0	1	0.0628884	8.1457	8.3885
FBgn00384	42028	CG10324	0	0	1	0.0628108	6.69446	6.89342
FBgn00012	35853	Jon44E	0	0	1	0.0627761	3.84157	3.9554
FBgn02674	26067055	PRY	0	0	1	0.0627761	1.43341	1.47588
FBgn00517	34231	DIP-zeta	0	0	1	0.0627313	2.63858	2.71681
FBgn00332	35732	CG1550	0	0	1	0.0626819	13.6977	14.1039
FBgn00374	40862	CG10055	0	0	1	0.0626455	36.0269	37.0949
FBgn00357	38817	CTCF	0	0	1	0.0626413	9.74	10.0286
FBgn00363	39478	ste14	0	0	1	0.0626187	8.72497	8.98302

FBgn00357	38768	CG17744	0	0	1	0.0626149	59.3668	61.1251
FBgn00289	34818	NimC2	0	0	1	0.0624597	0.463607	0.477077
FBgn00289	48440	Kebab	0	0	1	0.0624597	7.13785	7.34828
FBgn00538	3772541	His2A:CG33	0	0	1	0.0624597	2.65093	2.72795
FBgn02612	31644	bou	0	0	1	0.0623885	17.0083	17.5086
FBgn00298	31566	wuho	0	0	1	0.0623312	4.52356	4.65626
FBgn00344	37272	Toll-7	0	0	1	0.0623114	5.39524	5.55384
FBgn00314	33423	Atxn7	0	0	1	0.0622882	4.87536	5.01853
FBgn00403	53546	CG3021	0	0	1	0.0622117	12.1703	12.527
FBgn00283	42008	Decay	0	0	1	0.0621927	34.5142	35.5259
FBgn00346	37443	CG10795	0	0	1	0.061954	10.7182	11.0301
FBgn00363	39521	Tgi	0	0	1	0.0619173	3.23492	3.32891
FBgn00330	35532	Tbce	0	0	1	0.0618361	26.7692	27.5472
FBgn00302	32040	Vago	0	0	1	0.061825	59.1065	60.8237
FBgn00538	3772345	His2A:CG33	0	0	1	0.0618064	2.59453	2.66865
FBgn00106	46080	Sec61beta	0	0	1	0.0617706	92.2673	94.9448
FBgn00378	41370	CG5270	0	0	1	0.0617686	9.2639	9.53271
FBgn00113	39374	vers	0	0	1	0.0616948	10.3103	10.6086
FBgn00031	31582	PpV	0	0	1	0.0616846	17.0824	17.5768
FBgn00365	39749	mRpS31	0	0	1	0.0616653	19.3361	19.8955
FBgn00518	318956	CG31812	0	0	1	0.0616146	13.2635	13.6466
FBgn00392	43019	Bili	0	0	1	0.0615476	3.88701	3.99908
FBgn00299	31728	UbcE2H	0	0	1	0.0615372	46.2241	47.5579
FBgn00310	32971	CG14215	0	0	1	0.061507	10.5095	10.8125
FBgn00139	42962	Esp	0	0	1	0.0614692	3.54876	3.65079
FBgn00360	39159	CG10809	0	0	1	0.0614008	8.65454	8.90319
FBgn00296	31338	CG2901	0	0	1	0.0613759	5.2016	5.35089
FBgn00320	34153	Wdr82	0	0	1	0.0613224	16.5205	16.9942
FBgn00343	37063	CG5098	0	0	1	0.0612826	13.439	13.8243
FBgn00323	34513	CG14072	0	0	1	0.0612402	29.6651	30.5142
FBgn02620	41398	Csk	0	0	1	0.0611454	21.3811	21.9921
FBgn00369	40268	CG5955	0	0	1	0.0611245	1.92572	1.98025
FBgn00516	318855	His2A:CG31	0	0	1	0.0611245	2.53813	2.60934
FBgn00538	3771774	His2A:CG33	0	0	1	0.0611245	2.53813	2.60934

FBgn00375	40945	CG2698	0	0	1	0.0611023	43.9607	45.2156
FBgn00354	38391	gry	0	0	1	0.0610834	14.1788	14.5832
FBgn00370	40281	CG4825	0	0	1	0.0610799	29.2858	30.1212
FBgn00279	40349	ppl	0	0	1	0.061061	77.982	80.2055
FBgn00373	40676	CG2926	0	0	1	0.061053	13.5542	13.9406
FBgn00372	40576	CG9775	0	0	1	0.060987	28.4729	29.2832
FBgn00317	33806	obst-E	0	0	1	0.0609845	3.50271	3.60207
FBgn00372	40543	Suv3	0	0	1	0.0609845	7.15496	7.35846
FBgn00229	35609	vimar	0	0	1	0.0608656	6.93963	7.1364
FBgn00358	38912	ERR	0	0	1	0.0608155	23.3535	24.0152
FBgn00296	31320	CG10803	0	0	1	0.0607844	7.47592	7.68754
FBgn00312	33237	cold	0	0	1	0.0607484	32.7292	33.6548
FBgn00220	44391	Nnp-1	0	0	1	0.0607467	12.2727	12.6198
FBgn00370	40295	CG11399	0	0	1	0.0607126	7.11833	7.31944
FBgn00356	38693	CG6610	0	0	1	0.0607007	10.724	11.0261
FBgn00517	35143	CG31752	0	0	1	0.0606529	21.7161	22.3288
FBgn02671	19835227	asRNA:CR4	0	0	1	0.0606529	1.41124	1.45083
FBgn00520	43836	4E-T	0	0	1	0.0604873	36.0107	37.0229
FBgn00311	33046	CG1695	0	0	1	0.0604638	2.8083	2.88709
FBgn00651	3885612	ppk16	0	0	1	0.0604119	0.380912	0.391398
FBgn00651	34299	ppk11	0	0	1	0.0604119	0.380912	0.391398
FBgn02653	19836145	CR44274	0	0	1	0.0604119	1.52745	1.5695
FBgn00284	42897	Nab2	0	0	1	0.0602994	13.9272	14.3167
FBgn00347	37579	CG4294	0	0	1	0.060267	25.4184	26.1289
FBgn00297	31433	Rpn13R	0	0	1	0.0602395	19.4237	19.9657
FBgn00381	41695	CG14362	0	0	1	0.0602287	21.6633	22.2673
FBgn00377	41185	Pnn	0	0	1	0.0601961	11.4267	11.7453
FBgn02649	35524	Src42A	0	0	1	0.060182	14.0129	14.4037
FBgn00375	40974	CG9630	0	0	1	0.0601178	6.33262	6.50864
FBgn02612	40704	plx	0	0	1	0.0601037	12.6109	12.9618
FBgn00440	39751	Notum	0	0	1	0.0600434	0.645301	0.663064
FBgn00512	42348	Naam	0	0	1	0.0600434	9.4868	9.75018
FBgn02645	117346	Gr39a	0	0	1	0.0600434	1.29282	1.32858
FBgn02666	19834779	asRNA:CR4	0	0	1	0.0600434	4.6877	4.81674

FBgn00117	42898	BRWD3	0	0	1	0.0599431	6.97852	7.1719
FBgn00118	32222	Tis11	0	0	1	0.0599217	20.4233	20.9891
FBgn00337	36376	CG8569	0	0	1	0.0599187	7.9107	8.1296
FBgn00267	33167	Nhe1	0	0	1	0.0599106	29.943	30.7723
FBgn00851	5740400	CG34169	0	0	1	0.059856	7.83033	8.04589
FBgn02628	12797968	CR43211	0	0	1	0.059856	4.11949	4.2329
FBgn00278	43127	Tsp96F	0	0	1	0.059824	19.4804	20.0187
FBgn02640	32620	Cnx14D	0	0	1	0.0598183	5.00723	5.14534
FBgn00206	36554	RN-tre	0	0	1	0.0597954	12.6002	12.9481
FBgn00364	39609	CG17173	0	0	1	0.0596665	2.30402	2.36703
FBgn02628	12798465	hemo	0	0	1	0.0596665	1.31394	1.34938
FBgn02628	13084062	CG43210	0	0	1	0.0596665	1.31394	1.34938
FBgn00318	33904	CG9536	0	0	1	0.059624	11.3	11.6104
FBgn00391	42838	CG13603	0	0	1	0.0596187	56.0385	57.5786
FBgn00048	34844	elB	0	0	1	0.0596028	8.80347	9.04521
FBgn02614	37247	hpo	0	0	1	0.0594824	10.839	11.1357
FBgn00263	43991	Pten	0	0	1	0.0593654	17.7895	18.2751
FBgn00351	38087	CG13895	0	0	1	0.0593457	7.46274	7.66613
FBgn00312	33261	CG3862	0	0	1	0.0592156	9.43211	9.68829
FBgn00297	31435	CG5062	0	0	1	0.0590777	16.4038	16.8482
FBgn00340	36695	ND-51L2	0	0	1	0.0590751	16.1051	16.5412
FBgn00258	31738	Smox	0	0	1	0.0589997	33.4282	34.3324
FBgn00400	3354971	Set1	0	0	1	0.0589813	25.2487	25.9313
FBgn00398	43758	RhoGAP10(	0	0	1	0.0589726	4.20515	4.31878
FBgn00503	37410	CG30389	0	0	1	0.058944	12.9951	13.346
FBgn00116	38499	mas	0	0	1	0.058886	0.319354	0.327781
FBgn00321	34244	aust	0	0	1	0.058886	2.5442	2.61209
FBgn00396	43416	CG11828	0	0	1	0.058886	33.0248	33.9151
FBgn02670	19835564	CR45537	0	0	1	0.058886	0.823028	0.844748
FBgn00033	43544	Jon99Cii	0	0	1	0.0588059	13.8065	14.1773
FBgn00315	33539	CG3332	0	0	1	0.0587889	13.6381	14.0047
FBgn00140	40055	Ugt	0	0	1	0.0587833	26.2321	26.9376
FBgn00407	50246	COX7C	0	0	1	0.0587767	122.929	126.235
FBgn00275	42017	CG10345	0	0	1	0.0587715	17.2027	17.665

FBgn00365	39739	CG17026	0	0	1	0.0587627	15.3989	15.8122
FBgn00275	38032	CG7028	0	0	1	0.0587207	12.6031	12.9413
FBgn00304	32216	CG2540	0	0	1	0.0586176	8.63041	8.86098
FBgn00321	34361	CG5708	0	0	1	0.0585778	30.365	31.1768
FBgn00343	37078	Nup75	0	0	1	0.0585329	8.81103	9.04615
FBgn00861	37857	snama	0	0	1	0.0585256	15.3714	15.7819
FBgn00662	2768715	CheB42c	0	0	1	0.058519	15.7666	16.1873
FBgn00295	31018	CG13362	0	0	1	0.0584818	1.38538	1.42194
FBgn00304	32298	CG12725	0	0	1	0.0584818	2.27878	2.33892
FBgn00853	5740565	CG34370	0	0	1	0.0584818	4.26682	4.38052
FBgn00366	39810	Golgin104	0	0	1	0.0584233	9.67091	9.9283
FBgn02673	41217	Glut4EF	0	0	1	0.0583478	7.34146	7.53662
FBgn00364	39665	CG7804	0	0	1	0.0582531	17.7731	18.2441
FBgn00263	35743	Or43b	0	0	1	0.058207	9.94499	10.2079
FBgn00514	42303	CG31475	0	0	1	0.0581872	3.04135	3.12161
FBgn02624	12797990	CG43077	0	0	1	0.0581144	42.0714	43.1823
FBgn00265	32613	hang	0	0	1	0.0581028	6.40031	6.56929
FBgn00306	32440	CG15027	0	0	1	0.0580679	9.65378	9.90739
FBgn00332	35758	CG8726	0	0	1	0.0580679	22.5418	23.1364
FBgn00853	50358	Diedel3	0	0	1	0.0580679	12.446	12.7742
FBgn02663	19835215	CR44993	0	0	1	0.0580679	2.52787	2.59304
FBgn00381	41648	CCHa2	0	0	1	0.0580213	57.5381	59.0541
FBgn00261	43811	myo	0	0	1	0.0580209	36.7067	37.6739
FBgn00371	40453	olf413	0	0	1	0.0579746	3.7617	3.86063
FBgn00304	32293	Rbp1-like	0	0	1	0.0579166	31.0716	31.888
FBgn02648	14462868	CR44051	0	0	1	0.0578735	39.4533	40.4872
FBgn00450	32556	Stim	0	0	1	0.0578631	56.2305	57.706
FBgn00057	44148	PpD5	0	0	1	0.0578572	10.8704	11.1551
FBgn00536	3772540	CG33635	0	0	1	0.0578269	10.5224	10.7974
FBgn02637	42803	Hmgcr	0	0	1	0.0578026	21.2446	21.801
FBgn00312	33257	CG15880	0	0	1	0.0577864	3.84823	3.94823
FBgn00346	37463	CG15674	0	0	1	0.0577195	10.8521	11.1354
FBgn02644	14462911	CR43878	0	0	1	0.0576439	3.58513	3.67755
FBgn02655	19835487	asRNA:CR4	0	0	1	0.0576439	4.75029	4.87275

FBgn02610	42240	Cpsf73	0	0	1	0.0576186	8.93874	9.17145
FBgn00375	40977	CG11672	0	0	1	0.0575251	59.4298	60.9745
FBgn00360	39142	Naa60	0	0	1	0.0575003	7.23509	7.4228
FBgn02618	33003	pico	0	0	1	0.057459	4.86995	4.99627
FBgn00313	33304	CG4887	0	0	1	0.057387	23.0801	23.6778
FBgn00362	39347	CG11588	0	0	1	0.0573377	43.1296	44.2448
FBgn00004	34996	FBgn00004	0	0	1	0.0572503	216.165	221.742
FBgn00359	39023	ValRS-m	0	0	1	0.0572263	18.2187	18.6884
FBgn00288	34863	CG15279	0	0	1	0.0572094	18.1313	18.5985
FBgn00298	31524	Shmt	0	0	1	0.0572094	12.6665	12.9927
FBgn00385	42180	CG7988	0	0	1	0.0572094	6.40965	6.57408
FBgn00519	43774	CG31998	0	0	1	0.0570884	23.5565	24.1617
FBgn02610	34134	wol	0	0	1	0.0570862	36.5756	37.5147
FBgn00242	34708	Sirt1	0	0	1	0.057079	26.237	26.9108
FBgn00253	31110	inc	0	0	1	0.0570326	12.0994	12.4096
FBgn00394	43164	Vps2	0	0	1	0.0570286	39.972	40.9967
FBgn00314	33466	CG3077	0	0	1	0.0570233	10.5813	10.8523
FBgn02607	8673989	asRNA:CR4	0	0	1	0.0570012	7.81249	8.01244
FBgn02649	40590	CG44098	0	0	1	0.056975	7.84274	8.04347
FBgn00363	39475	MICAL-like	0	0	1	0.056964	27.9888	28.7053
FBgn00387	42362	CG4562	0	0	1	0.0568826	27.8276	28.5384
FBgn00306	32482	CG6340	0	0	1	0.0568091	7.1412	7.32303
FBgn00230	38785	melt	0	0	1	0.0567941	3.86061	3.95883
FBgn00285	34785	Sec71	0	0	1	0.0567775	25.9426	26.6033
FBgn00852	5740688	RpS28-like	0	0	1	0.0567641	18.4361	18.9036
FBgn00384	42019	CG12783	0	0	1	0.0566995	9.32941	9.5661
FBgn00270	40308	CSN3	0	0	1	0.0566672	18.7144	19.1892
FBgn00340	36725	CG8195	0	0	1	0.0566597	12.7935	13.118
FBgn00375	40932	mRpS9	0	0	1	0.0566348	24.2797	24.8951
FBgn02675	26067223	asRNA:CR4	0	0	1	0.0566283	35.2392	36.1319
FBgn00365	39752	CG5895	0	0	1	0.0565898	9.28069	9.51539
FBgn00360	39169	nudE	0	0	1	0.0565841	50.2407	51.5133
FBgn00102	40790	TfIIFalpha	0	0	1	0.0565637	24.8365	25.465
FBgn02648	14462668	asRNA:CR4	0	0	1	0.0565046	14.443	14.8074

FBgn00362	39426	CG10646	0	0	1	0.0564227	6.46195	6.62439
FBgn00045	47220	Fur1	0	0	1	0.0563607	12.6878	13.0072
FBgn00300	31745	CG18262	0	0	1	0.0563075	1.38507	1.41943
FBgn00614	39266	Ube3a	0	0	1	0.0563075	29.6609	30.4063
FBgn02508	7354471	CG42240	0	0	1	0.0563075	45.2509	46.3881
FBgn00373	40666	CG2519	0	0	1	0.0562984	19.1062	19.5862
FBgn00367	39996	Prestin	0	0	1	0.0562536	26.8753	27.5496
FBgn00298	31543	raptor	0	0	1	0.0562128	7.65592	7.84776
FBgn00275	38897	CG7927	0	0	1	0.0561999	56.5901	58.0081
FBgn00443	40508	Chro	0	0	1	0.0561558	12.7259	13.0443
FBgn00297	31446	CG15930	0	0	1	0.0561527	3.51459	3.60216
FBgn00376	41091	beag	0	0	1	0.0561332	9.39691	9.63158
FBgn00373	40706	CG1239	0	0	1	0.0561215	5.20388	5.33331
FBgn00330	35490	CG10395	0	0	1	0.0561082	10.7514	11.0196
FBgn00243	35381	E2f2	0	0	1	0.0560841	13.7922	14.1363
FBgn00825	246397	sprt	0	0	1	0.0560661	10.665	10.931
FBgn00327	35124	CG10338	0	0	1	0.0559635	8.64787	8.86285
FBgn00398	43692	CG15561	0	0	1	0.0559337	4.694	4.81012
FBgn00326	35105	CG10178	0	0	1	0.0559236	31.0113	31.782
FBgn00353	38360	CG2162	0	0	1	0.055912	22.1698	22.7206
FBgn00320	34135	Scgalpha	0	0	1	0.0559068	4.63163	4.7463
FBgn00527	31420	CG32772	0	0	1	0.0559068	9.13952	9.36645
FBgn00100	48341	GstD8	0	0	1	0.0558917	12.217	12.5196
FBgn00380	41579	CG10126	0	0	1	0.055889	128.172	131.355
FBgn00356	38720	Sf3b6	0	0	1	0.0558607	52.5303	53.8333
FBgn00868	33195	CG17078	0	0	1	0.0558555	10.1656	10.4176
FBgn00321	34315	CG4598	0	0	1	0.0558391	27.0748	27.7458
FBgn00117	42550	E2f1	0	0	1	0.0557932	15.8107	16.2022
FBgn02670	19835032	asRNA:CR4	0	0	1	0.0556963	27.6193	28.3013
FBgn00356	38647	Ppat-Dpck	0	0	1	0.0556164	19.1282	19.5992
FBgn00516	33914	CG31637	0	0	1	0.0555078	15.8806	16.2705
FBgn00002	34284	Pka-C1	0	0	1	0.055498	33.0765	33.8888
FBgn00337	36340	CG8839	0	0	1	0.0554507	53.8322	55.1524
FBgn00395	43351	NSD	0	0	1	0.055391	7.0895	7.26294

FBgn02648	14462491	asRNA:CR4	0	0	1	0.0553586	9.26886	9.4947
FBgn00041	43367	Mst98Cb	0	0	1	0.0553503	118.974	121.883
FBgn00345	37334	CG13436	0	0	1	0.0553451	40.7018	41.6967
FBgn02608	37575	dnr1	0	0	1	0.055336	13.1089	13.4292
FBgn00369	40258	CG5262	0	0	1	0.0552806	13.2946	13.6188
FBgn00396	43427	Slu7	0	0	1	0.0552043	11.1925	11.4647
FBgn00388	42447	Lrrk	0	0	1	0.0550937	4.96373	5.08413
FBgn00169	34831	Dyrk2	0	0	1	0.0550089	12.7893	13.0989
FBgn00392	42934	atl	0	0	1	0.0549997	57.0911	58.473
FBgn00013	44830	kto	0	0	1	0.0549589	4.41272	4.51933
FBgn00041	42453	Cdk2	0	0	1	0.0548655	2.78187	2.84862
FBgn00336	36210	CG7745	0	0	1	0.0548655	9.03384	9.25128
FBgn00031	40232	polo	0	0	1	0.0548314	31.5763	32.3368
FBgn00525	318082	CG32544	0	0	1	0.0547287	7.18195	7.35397
FBgn00341	36830	Nup62	0	0	1	0.0546862	20.5294	21.0213
FBgn00253	36209	Fpps	0	0	1	0.0546662	45.7812	46.8782
FBgn02614	35486	sxc	0	0	1	0.0546035	55.4998	56.8276
FBgn00329	35440	CG3651	0	0	1	0.0545555	13.4756	13.7974
FBgn00402	35376	Nhe2	0	0	1	0.0545461	17.8875	18.3147
FBgn00396	43471	CG2321	0	0	1	0.0545294	10.5904	10.8431
FBgn00377	41189	CG16908	0	0	1	0.0544955	4.70307	4.81502
FBgn00037	36619	tra2	0	0	1	0.054487	18.3819	18.8198
FBgn00368	40091	mRpL21	0	0	1	0.0544729	5.60722	5.74042
FBgn00624	31601	Ctr1A	0	0	1	0.0544582	14.0642	14.3989
FBgn00034	33196	smo	0	0	1	0.0544551	8.4502	8.65132
FBgn00305	32324	CG15760	0	0	1	0.0544522	2.53338	2.59356
FBgn02620	19835196	CR42850	0	0	1	0.0544379	69.5024	71.1569
FBgn00389	42653	CG5346	0	0	1	0.0543923	17.0516	17.4567
FBgn00231	31127	a6	0	0	1	0.0543592	2.36945	2.42539
FBgn00353	38357	FMRFaR	0	0	1	0.0543592	1.74698	1.78829
FBgn02617	34080	SmE	0	0	1	0.0543592	38.4809	39.3935
FBgn02676	26067316	asRNA:CR4	0	0	1	0.0543592	0.641424	0.656181
FBgn00374	40780	CG17919	0	0	1	0.0542509	25.6979	26.3053
FBgn00343	37087	CG14500	0	0	1	0.0542305	24.8493	25.4362

FBgn00398	43691	CG1542	0	0	1	0.0542219	13.0624	13.3708
FBgn00519	319064	CG31997	0	0	1	0.0541852	111.074	113.698
FBgn00367	39970	Crtc	0	0	1	0.0541649	12.1738	12.4612
FBgn00330	35504	kune	0	0	1	0.0541052	60.3875	61.8104
FBgn02625	40515	nrm	0	0	1	0.0540012	8.52426	8.72451
FBgn00331	35612	Tsp42Ec	0	0	1	0.0539989	23.466	24.0167
FBgn00004	35190	Ddc	0	0	1	0.0539862	28.0551	28.7139
FBgn00863	31863	t	0	0	1	0.0539824	23.3012	23.8481
FBgn00852	5740715	Ufm1	0	0	1	0.053887	35.4566	36.2858
FBgn00328	35273	CG10481	0	0	1	0.0538392	1.02474	1.04832
FBgn02650	14462548	CR44161	0	0	1	0.0538392	2.90224	2.96901
FBgn00337	36361	DUBAI	0	0	1	0.0538237	34.4172	35.2215
FBgn02649	14462680	asRNA:CR4	0	0	1	0.0537638	14.7511	15.0936
FBgn02612	8674055	mgl	0	0	1	0.0537586	10.42	10.663
FBgn00867	33343	chinmo	0	0	1	0.0536772	4.03061	4.12434
FBgn00316	33655	CG15435	0	0	1	0.0536627	6.38067	6.52869
FBgn00352	38201	CG17249	0	0	1	0.0536627	6.07249	6.21323
FBgn00532	2768951	CG33217	0	0	1	0.0536501	13.0355	13.3383
FBgn02604	32597	CalpC	0	0	1	0.0536272	3.84966	3.93882
FBgn00399	43788	Hcf	0	0	1	0.0536201	18.9754	19.4161
FBgn00316	33725	CG3887	0	0	1	0.0536101	74.2903	76.0149
FBgn00152	39329	Pi3K68D	0	0	1	0.0536093	15.0175	15.3661
FBgn00354	38398	eIF1	0	0	1	0.0535845	269.246	275.493
FBgn00369	40269	CG5969	0	0	1	0.0535739	21.8459	22.3519
FBgn00344	37275	CG8654	0	0	1	0.0535644	36.4863	37.3322
FBgn00369	40262	CG5872	0	0	1	0.0535259	21.6075	22.1076
FBgn00370	40279	mTerf3	0	0	1	0.0535204	13.7796	14.098
FBgn00399	43830	CG11076	0	0	1	0.0534591	49.1294	50.2645
FBgn00396	43451	CG11898	0	0	1	0.053432	3.9173	4.0076
FBgn00034	35662	so	0	0	1	0.053305	4.05222	4.14516
FBgn00348	37659	CG9890	0	0	1	0.053305	8.4372	8.63078
FBgn02650	14462802	CR44191	0	0	1	0.053305	1.70244	1.74027
FBgn00395	43353	mfrn	0	0	1	0.0532922	28.7771	29.4387
FBgn02508	3355145	CG12547	0	0	1	0.0532486	27.4876	28.1187

FBgn00286	42802	Rpn9	0	0	1	0.0531825	86.732	88.7195
FBgn00306	32522	Graf	0	0	1	0.0531512	22.6173	23.135
FBgn00024	39429	sti	0	0	1	0.0531496	2.35378	2.40754
FBgn00116	38811	lark	0	0	1	0.0531309	11.6706	11.9374
FBgn02667	318105	hog	0	0	1	0.0531236	10.0122	10.24
FBgn00314	33502	CG9641	0	0	1	0.0531106	29.6479	30.3255
FBgn00399	5740592	ATbp	0	0	1	0.0530871	2.24266	2.29356
FBgn00258	5740235	RhoGAP1A	0	0	1	0.0530637	23.5907	24.1293
FBgn00359	38975	GstO1	0	0	1	0.0530485	36.4051	37.2352
FBgn02664	19835563	CG45088	0	0	1	0.053014	22.2679	22.7754
FBgn00053	41565	Su(fu)	0	0	1	0.0529143	8.92041	9.12267
FBgn00314	33448	CG9962	0	0	1	0.0528669	4.42377	4.52348
FBgn02613	31496	IntS6	0	0	1	0.0527738	5.03188	5.14563
FBgn02671	19836156	CR45576	0	0	1	0.0527559	1.10307	1.12758
FBgn00286	42805	Rpt5	0	0	1	0.0527078	72.2595	73.8909
FBgn00345	37332	Rcd6	0	0	1	0.0526762	2.25291	2.30348
FBgn02627	32088	Evi5	0	0	1	0.0526557	12.5326	12.815
FBgn00535	3346220	CG33552	0	0	1	0.0526442	6.38705	6.52998
FBgn00400	34957	pkaap	0	0	1	0.0526245	14.0914	14.4085
FBgn00049	40935	Prat	0	0	1	0.0525695	5.74625	5.87508
FBgn00362	39394	thoc6	0	0	1	0.0524944	5.21554	5.33225
FBgn00307	32589	CG3632	0	0	1	0.0524499	15.2601	15.6018
FBgn00300	31772	PIG-T	0	0	1	0.0524374	14.7691	15.0995
FBgn00361	39305	CG6083	0	0	1	0.0523055	30.6765	31.36
FBgn00430	42525	AP-2sigma	0	0	1	0.0522702	38.6923	39.553
FBgn00351	38046	mRpL17	0	0	1	0.0522549	16.5006	16.8672
FBgn00199	34396	SamDC	0	0	1	0.0521913	40.0515	40.9407
FBgn00257	31394	pon	0	0	1	0.0521913	1.14391	1.16901
FBgn00381	41700	CG9926	0	0	1	0.0521913	1.17167	1.19722
FBgn02677	26067429	CR46112	0	0	1	0.0521913	3.68334	3.76365
FBgn02619	34951	CG42817	0	0	1	0.052131	9.73302	9.94871
FBgn00376	41060	CG8379	0	0	1	0.0521302	30.5872	31.2652
FBgn00344	37177	MetRS	0	0	1	0.0520837	28.1579	28.7812
FBgn00304	32240	CG4407	0	0	1	0.0520381	10.4934	10.7248

FBgn00350	37996	CG3776	0	0	1	0.0520317	35.6566	36.4439
FBgn00370	40280	CG5104	0	0	1	0.0520271	26.57	27.1561
FBgn00310	32977	Ubqn	0	0	1	0.0519335	60.9166	62.2587
FBgn00383	41901	CG5404	0	0	1	0.0519254	4.67135	4.77396
FBgn00514	41013	pch2	0	0	1	0.0518615	6.5823	6.72662
FBgn00350	37924	uri	0	0	1	0.0518061	6.31592	6.45417
FBgn02634	12797878	asRNA:CR4	0	0	1	0.0518061	2.42043	2.47322
FBgn00502	37543	Oatp58Da	0	0	1	0.0517628	12.3542	12.6245
FBgn00426	39569	Sox21b	0	0	1	0.0517281	1.52471	1.55783
FBgn00358	38893	CG7565	0	0	1	0.0517161	10.3621	10.5886
FBgn00375	40933	EMC1	0	0	1	0.0516517	51.6179	52.7447
FBgn00439	43718	pygo	0	0	1	0.0516467	10.7352	10.9694
FBgn00325	34749	CG6565	0	0	1	0.0516305	37.7606	38.5841
FBgn00355	38596	Fitm	0	0	1	0.051625	21.0393	21.4979
FBgn00105	37729	Dcp-1	0	0	1	0.0516107	5.62809	5.75035
FBgn00302	32046	CG11122	0	0	1	0.0516107	1.45367	1.4853
FBgn00376	41090	Kdm2	0	0	1	0.0516107	10.0659	10.2852
FBgn02834	26067077	CG46280	0	0	1	0.0516021	44.6163	45.5886
FBgn00298	31526	CG12728	0	0	1	0.0515917	12.8726	13.1527
FBgn02615	36403	CG42663	0	0	1	0.0515903	7.02684	7.17976
FBgn00373	40656	mRpL44	0	0	1	0.051576	14.9194	15.2436
FBgn02599	44669	cwo	0	0	1	0.0515264	17.6003	17.9829
FBgn00391	42811	CG10214	0	0	1	0.0515089	29.4119	30.0503
FBgn00295	59178	Tsp42Ea	0	0	1	0.0514992	69.6127	71.1248
FBgn00217	31017	sdk	0	0	1	0.0514971	5.3491	5.46522
FBgn00329	35384	CG9248	0	0	1	0.0514524	35.2498	36.0141
FBgn00330	35537	CG7849	0	0	1	0.0514134	8.19971	8.3766
FBgn00342	36988	CG14480	0	0	1	0.0513925	55.8004	57.0079
FBgn00221	33644	l(2)k05819	0	0	1	0.0513443	12.8962	13.1748
FBgn00363	39459	CG10948	0	0	1	0.051331	17.572	17.9514
FBgn00421	59163	CG18787	0	0	1	0.0513226	24.737	25.2708
FBgn00352	38224	CG8001	0	0	1	0.0513105	30.9939	31.6629
FBgn00289	43717	gammaCOP	0	0	1	0.0512763	25.9986	26.5592
FBgn02648	14462568	CR44068	0	0	1	0.0512542	4.8516	4.95534

FBgn00531	326255	eIF4EHP	0	0	1	0.0512219	15.8443	16.1853
FBgn00206	39014	Mcm7	0	0	1	0.0512142	2.38245	2.43339
FBgn00349	37825	CG3860	0	0	1	0.0511505	40.6505	41.5233
FBgn00327	35208	CG13086	0	0	1	0.0510132	8.42257	8.60147
FBgn00348	37719	CG13558	0	0	1	0.0510132	0.898692	0.917115
FBgn00381	41638	PK2-R2	0	0	1	0.0510132	0.654384	0.668092
FBgn02625	12797870	CR43080	0	0	1	0.0510132	17.4277	17.7987
FBgn00036	34119	Su(var)205	0	0	1	0.0509926	51.7268	52.8313
FBgn00307	32573	Nipsnap	0	0	1	0.0509778	64.894	66.2795
FBgn02632	31441	Cdk7	0	0	1	0.0509026	7.35492	7.51104
FBgn00314	33519	CG17260	0	0	1	0.0508101	20.372	20.8041
FBgn02615	32257	lic	0	0	1	0.0507955	13.8819	14.1762
FBgn00012	3772547	Hsromega	0	0	1	0.0507672	10.3836	10.6038
FBgn00388	42437	CG16953	0	0	1	0.0507583	69.1161	70.5813
FBgn02619	41252	CG42795	0	0	1	0.0507534	9.46629	9.66689
FBgn00102	3355109	Parp	0	0	1	0.0507259	26.3948	26.9536
FBgn00392	43031	CG11851	0	0	1	0.0506709	10.2024	10.4177
FBgn00245	38795	Neos	0	0	1	0.0506368	17.2904	17.6549
FBgn00390	42729	CG17110	0	0	1	0.0506107	67.4864	68.91
FBgn00523	317987	Vps11	0	0	1	0.0506051	12.1923	12.4492
FBgn00317	33838	Tsp26A	0	0	1	0.0505845	6.35055	6.48414
FBgn02664	32113	RPA3	0	0	1	0.0505225	7.10659	7.25482
FBgn02666	42863	Sec10	0	0	1	0.0505148	12.9219	13.1933
FBgn00359	39026	CG5026	0	0	1	0.0504985	10.5531	10.7746
FBgn00056	40370	Aef1	0	0	1	0.0504773	13.1851	13.4618
FBgn00338	36464	CG4670	0	0	1	0.0504435	55.3372	56.4979
FBgn00382	41804	Nup93-2	0	0	1	0.0504309	7.29408	7.4467
FBgn00501	246458	NT5E-2	0	0	1	0.0504203	52.1205	53.2127
FBgn00263	41334	Ugt35a	0	0	1	0.0503779	33.3648	34.0627
FBgn00354	38454	CG14977	0	0	1	0.0503683	37.0242	37.7975
FBgn02612	41107	FBgn02612	0	0	1	0.0502782	16.3938	16.7355
FBgn00510	318578	CG31068	0	0	1	0.0502152	18.9439	19.3379
FBgn02631	38505	CG43367	0	0	1	0.0501958	11.6394	11.8815
FBgn00300	31741	CG2129	0	0	1	0.050189	1.40618	1.43501

FBgn00300	31837	CG6999	0	0	1	0.0500837	13.0294	13.2984
FBgn00378	41369	ninaG	0	0	1	0.0500837	3.91905	3.99983
FBgn00378	41345	CG6689	0	0	1	0.0500593	12.9492	13.2169
FBgn00012	31988	Hmr	0	0	1	0.0500384	2.8304	2.88879
FBgn00373	40714	jagn	0	0	1	0.0499903	39.172	39.9808
FBgn00426	64875	FBgn00426	0	0	1	0.0499778	1.5282	1.55965
FBgn02607	38094	CG42553	0	0	1	0.0499654	38.6981	39.4962
FBgn00011	42445	H	0	0	1	0.0499646	5.05743	5.16168
FBgn00351	38096	CG13887	0	0	1	0.0499529	101.312	103.401
FBgn00388	42509	Usp8	0	0	1	0.0498754	22.7801	23.2486
FBgn00299	31649	CG4593	0	0	1	0.0497646	3.34273	3.41049
FBgn00363	39525	CG10710	0	0	1	0.0497646	1.06502	1.08653
FBgn00532	117331	VepD	0	0	1	0.0497646	6.19145	6.31724
FBgn02675	26067217	asRNA:CR4	0	0	1	0.0497646	3.24572	3.31075
FBgn00300	31736	CG10958	0	0	1	0.0497383	17.2457	17.5986
FBgn00326	35074	CG5681	0	0	1	0.0496865	14.3522	14.6452
FBgn00371	40481	CG14456	0	0	1	0.0496033	7.96159	8.12297
FBgn00370	40303	CG3618	0	0	1	0.0495492	19.3428	19.736
FBgn00340	36743	tun	0	0	1	0.049543	6.41232	6.54259
FBgn00390	42750	wda	0	0	1	0.0495059	5.1276	5.23146
FBgn00384	41994	CG14882	0	0	1	0.0494407	4.26452	4.35047
FBgn00203	45655	dom	0	0	1	0.049439	13.4762	13.7492
FBgn00003	31268	crm	0	0	1	0.0493941	3.37028	3.43826
FBgn00256	35129	Faf2	0	0	1	0.0493754	31.6464	32.2861
FBgn00518	318947	CG31800	0	0	1	0.0492919	27.3623	27.9129
FBgn00314	33441	insv	0	0	1	0.0492441	5.63193	5.74478
FBgn00524	318031	Arv1	0	0	1	0.0491629	12.8406	13.0975
FBgn00324	34711	CG5287	0	0	1	0.0491592	16.7518	17.0875
FBgn00112	41406	Taf12	0	0	1	0.0491561	11.3119	11.5382
FBgn00334	35981	CG1809	0	0	1	0.0491407	12.6993	12.9535
FBgn00381	41642	CheA87a	0	0	1	0.049112	14.4439	14.7319
FBgn02666	19834827	asRNA:CR4	0	0	1	0.049112	5.49471	5.60221
FBgn00056	37822	Sox14	0	0	1	0.0490348	11.1646	11.3875
FBgn00353	38362	scramb2	0	0	1	0.04889	24.528	25.0151

FBgn00311	33082	Stt3A	0	0	1	0.0488556	17.4712	17.8178
FBgn00108	47260	l(3)05822	0	0	1	0.0488417	9.69411	9.88626
FBgn02660	19835270	asRNA:CR4	0	0	1	0.0487781	9.13052	9.30914
FBgn00337	36364	dgt5	0	0	1	0.0487108	1.99482	2.03384
FBgn02637	39231	CG43693	0	0	1	0.0486778	36.701	37.4249
FBgn00396	43445	CG14511	0	0	1	0.0486657	4.52772	4.61629
FBgn00526	32005	stx	0	0	1	0.0486355	12.0787	12.3166
FBgn00359	39051	Use1	0	0	1	0.0485994	15.9462	16.2591
FBgn00340	36752	Cyp4aa1	0	0	1	0.0485963	22.7017	23.1479
FBgn00309	32865	CG6891	0	0	1	0.0485881	37.6322	38.3717
FBgn00339	36580	Usp20-33	0	0	1	0.0485536	38.4239	39.1785
FBgn00298	31536	MCTS1	0	0	1	0.0485441	9.58155	9.76899
FBgn00368	40057	NijB	0	0	1	0.0485244	19.8136	20.2012
FBgn00365	39763	IntS9	0	0	1	0.0484392	5.28566	5.38863
FBgn00854	42715	CG34375	0	0	1	0.0484392	0.392679	0.39997
FBgn02667	19835572	CR45201	0	0	1	0.0484392	4.21711	4.29541
FBgn00025	43819	pho	0	0	1	0.0484264	41.2135	42.019
FBgn00029	44843	nkd	0	0	1	0.0483537	2.88942	2.9456
FBgn00363	39471	CG11262	0	0	1	0.0483499	36.8766	37.5953
FBgn00377	41228	mtTFB2	0	0	1	0.0482869	5.42523	5.53019
FBgn00012	45881	ix	0	0	1	0.0482103	7.49669	7.6409
FBgn00421	59218	CG18870	0	0	1	0.0482103	3.7208	3.79268
FBgn00056	38433	Eip63E	0	0	1	0.0481827	10.453	10.6554
FBgn00307	32606	CG4239	0	0	1	0.0481126	24.0261	24.4902
FBgn00033	32780	Sh	0	0	1	0.0480971	6.82341	6.95521
FBgn00369	40240	eRF1	0	0	1	0.0480935	67.5864	68.8918
FBgn00386	42293	Cyp12a5	0	0	1	0.047932	39.3723	40.1279
FBgn00394	43271	CG6051	0	0	1	0.047925	17.3559	17.6889
FBgn00257	36956	Bap55	0	0	1	0.0479126	12.9122	13.1594
FBgn00002	43518	ca	0	0	1	0.0478721	7.86389	8.01445
FBgn00103	32981	Cdc42	0	0	1	0.0477316	66.5056	67.773
FBgn00257	32631	mbt	0	0	1	0.0476866	6.61778	6.74345
FBgn00331	35685	PIG-G	0	0	1	0.0476624	10.5338	10.7338
FBgn00041	45959	mts	0	0	1	0.0476116	87.4267	89.0856

FBgn00307	32557	CG8924	0	0	1	0.0476041	3.48797	3.5538
FBgn00323	34607	CG16965	0	0	1	0.0475955	12.9119	13.1564
FBgn00351	38064	CG13884	0	0	1	0.0475883	20.9088	21.3041
FBgn00362	39376	CG11560	0	0	1	0.0475686	6.44573	6.56705
FBgn00276	35897	CG8230	0	0	1	0.047538	37.5154	38.2251
FBgn02607	43548	CG42557	0	0	1	0.0475194	38.5737	39.3024
FBgn02607	8674024	CG42558	0	0	1	0.0475194	38.5737	39.3024
FBgn00149	40937	CG2678	0	0	1	0.0475093	1.33272	1.35746
FBgn00348	37736	Eglp1	0	0	1	0.0474903	47.8759	48.7795
FBgn00367	39987	MED19	0	0	1	0.0474878	10.6544	10.8552
FBgn00334	35952	CG2063	0	0	1	0.0474301	13.4961	13.7497
FBgn02621	42927	ana1	0	0	1	0.0474106	16.9467	17.2657
FBgn00265	36278	ADD1	0	0	1	0.0473235	8.5583	8.71883
FBgn00526	31918	CG32695	0	0	1	0.0472708	13.2913	13.5398
FBgn00300	31844	CG7065	0	0	1	0.0471907	5.64343	5.74864
FBgn00302	32053	CG15201	0	0	1	0.0471822	34.6303	35.2751
FBgn00391	42845	Miro	0	0	1	0.0470726	47.6841	48.5707
FBgn00299	31663	CG2059	0	0	1	0.0470296	24.0651	24.5112
FBgn00385	42192	Vps39	0	0	1	0.0469081	7.29744	7.43199
FBgn00001	32358	ben	0	0	1	0.0468837	59.921	61.027
FBgn00338	36456	AQP	0	0	1	0.0468471	5.55257	5.65423
FBgn00330	35567	CG15908	0	0	1	0.0467369	8.18145	8.32995
FBgn00663	338392	CG33932	0	0	1	0.0467214	12.0196	12.2395
FBgn00663	3772007	Rpp20	0	0	1	0.0467214	12.0196	12.2395
FBgn00302	32000	BTBD9	0	0	1	0.0466849	13.1059	13.3458
FBgn00353	38327	MEP-1	0	0	1	0.0466707	15.1261	15.403
FBgn00368	40040	CG12477	0	0	1	0.0466631	7.97472	8.12003
FBgn00378	41367	Ranbp9	0	0	1	0.0466262	31.9637	32.5478
FBgn00355	38529	CG15012	0	0	1	0.0466103	71.9147	73.2276
FBgn02671	19835803	CR45551	0	0	1	0.0465397	0.378814	0.385583
FBgn00338	36562	CG13016	0	0	1	0.046409	11.2923	11.4964
FBgn00267	35747	drosha	0	0	1	0.0463696	7.7651	7.90544
FBgn00334	36043	CG1407	0	0	1	0.0463691	19.5006	19.8533
FBgn00153	44173	hoip	0	0	1	0.0462907	11.4983	11.7042

FBgn00392	42982	Mink	0	0	1	0.0462907	8.3608	8.51131
FBgn00650	3772483	snmRNA:7(	0	0	1	0.0462907	37.4784	38.1346
FBgn00286	43070	CG11902	0	0	1	0.0462665	5.89251	5.99854
FBgn00253	34419	Ip259	0	0	1	0.0462424	178.503	181.717
FBgn00501	37146	CG30122	0	0	1	0.0462266	24.4022	24.8412
FBgn00364	39643	sstn	0	0	1	0.0461309	10.084	10.2645
FBgn02617	38580	Dhc64C	0	0	1	0.046094	13.7423	13.9883
FBgn00002	45830	bur	0	0	1	0.0460599	47.546	48.396
FBgn00301	31881	Aladin	0	0	1	0.0459667	6.43616	6.55034
FBgn02668	33131	wap	0	0	1	0.0458997	22.0744	22.4664
FBgn00161	34189	Acer	0	0	1	0.0458525	74.6204	75.9436
FBgn00448	40685	Spec2	0	0	1	0.0458358	9.91047	10.0856
FBgn00232	31331	Mnt	0	0	1	0.045808	8.36761	8.51555
FBgn00363	39436	Pmm2	0	0	1	0.045808	30.9363	31.483
FBgn00308	32686	RhoGAP15I	0	0	1	0.0457806	8.73842	8.89281
FBgn00391	42869	CG6182	0	0	1	0.0457592	12.597	12.8189
FBgn00152	34120	Ssb-c31a	0	0	1	0.0457563	43.5775	44.3457
FBgn00381	41601	CG8031	0	0	1	0.0457431	28.2285	28.7263
FBgn00286	32047	Rpt3	0	0	1	0.0457355	28.9704	29.4812
FBgn00345	37403	Magi	0	0	1	0.0457291	3.82488	3.8922
FBgn00322	34394	CG5037	0	0	1	0.0456708	31.6765	32.2336
FBgn00314	33460	Cwc25	0	0	1	0.0456682	10.978	11.1707
FBgn00112	47942	scat	0	0	1	0.0456224	11.887	12.0956
FBgn00388	42539	CG7907	0	0	1	0.0456113	11.6802	11.885
FBgn00351	38097	JMJD5	0	0	1	0.0456051	12.9625	13.1894
FBgn00322	34406	CG5056	0	0	1	0.045598	30.2438	30.774
FBgn00108	46156	Gug	0	0	1	0.0455732	9.97619	10.1511
FBgn00399	49892	Fis1	0	0	1	0.0455599	89.2028	90.7655
FBgn00115	36377	fra	0	0	1	0.0455569	7.22883	7.35539
FBgn00048	42544	C15	0	0	1	0.0455276	0.44946	0.45682
FBgn00315	33544	Fign	0	0	1	0.0455276	2.5407	2.58478
FBgn00398	43695	CG15563	0	0	1	0.0455276	1.27944	1.3004
FBgn02635	12797951	asRNA:CR4	0	0	1	0.0455276	1.02481	1.0416
FBgn02616	43856	nej	0	0	1	0.0454486	6.3722	6.48334

FBgn00861	33254	Dbp21E2	0	0	1	0.045372	4.94482	5.0303
FBgn02507	40858	gfzf	0	0	1	0.0453608	12.1469	12.3579
FBgn00330	35563	geminin	0	0	1	0.0453546	14.5454	14.7974
FBgn00303	32150	CG1840	0	0	1	0.0452877	15.4696	15.7365
FBgn02640	36746	sli	0	0	1	0.0452247	5.96434	6.06738
FBgn00160	43300	side	0	0	1	0.0452022	1.75051	1.78068
FBgn02608	40094	Bet1	0	0	1	0.0451366	10.3676	10.5453
FBgn02658	19835309	CR44686	0	0	1	0.0451366	3.40261	3.46029
FBgn00407	50225	Prosap	0	0	1	0.0451214	9.85035	10.0199
FBgn00218	36952	cnk	0	0	1	0.0451178	6.16755	6.27358
FBgn00346	37514	CG11474	0	0	1	0.0450378	23.0469	23.4419
FBgn00366	39828	GluRS-m	0	0	1	0.044967	7.00072	7.11995
FBgn00310	32923	CG8028	0	0	1	0.0449491	7.95452	8.09006
FBgn00231	37970	Orc4	0	0	1	0.0449233	6.83543	6.95159
FBgn00375	40987	CG7483	0	0	1	0.0448801	29.2711	29.7695
FBgn00377	41156	CG9396	0	0	1	0.0448801	42.4244	43.1464
FBgn00328	35315	Cdc23	0	0	1	0.0448006	9.71393	9.87859
FBgn00372	40555	CG14646	0	0	1	0.044739	16.0044	16.2751
FBgn02599	46078	vlc	0	0	1	0.0447111	60.4482	61.4714
FBgn00392	42981	CG11168	0	0	1	0.0447082	13.0583	13.2791
FBgn00020	49427	l(2)37Bb	0	0	1	0.0447056	23.8017	24.204
FBgn00156	44058	Dot	0	0	1	0.0446817	10.2871	10.4607
FBgn00302	31977	CG2889	0	0	1	0.0446498	3.37987	3.43653
FBgn00390	42728	CG6726	0	0	1	0.0446434	70.5513	71.7421
FBgn00295	8674032	CR18275	0	0	1	0.0446386	5.85275	5.95113
FBgn00303	32163	CG1806	0	0	1	0.044605	6.14175	6.24469
FBgn00116	36390	Iswi	0	0	1	0.0445841	25.26	25.6852
FBgn00437	192528	CG31381	0	0	1	0.0445782	2.47133	2.51238
FBgn00275	39161	CG8108	0	0	1	0.0445227	35.7966	36.3976
FBgn00290	40141	asf1	0	0	1	0.0445194	12.3236	12.5299
FBgn02627	38898	Arp3	0	0	1	0.0444297	50.9858	51.8384
FBgn00043	43469	Ptp99A	0	0	1	0.0444114	9.3074	9.46292
FBgn02643	42515	SNF4Agam	0	0	1	0.0443785	12.426	12.6334
FBgn00384	41993	CG14894	0	0	1	0.0443718	49.9818	50.8152

FBgn02509	7354428	CG42245	0	0	1	0.0443674	16.4631	16.7376
FBgn00341	36832	CG15710	0	0	1	0.0443348	3.65076	3.71054
FBgn00046	30998	svr	0	0	1	0.044308	29.7731	30.2686
FBgn00204	43895	E23	0	0	1	0.0442895	2.93241	2.981
FBgn00275	37992	CG2790	0	0	1	0.0442895	25.8125	26.2413
FBgn00854	43769	pan	0	0	1	0.044276	12.5202	12.7283
FBgn00368	40081	Mkp3	0	0	1	0.044274	8.33141	8.4697
FBgn00399	43791	lgs	0	0	1	0.0442379	40.2695	40.9377
FBgn00356	38674	CG10479	0	0	1	0.0442273	19.0133	19.3282
FBgn00040	41656	yrt	0	0	1	0.0441897	11.6421	11.8348
FBgn00157	47998	rin	0	0	1	0.0441731	45.6513	46.4067
FBgn00342	37015	Snx16	0	0	1	0.0441488	10.8346	11.0132
FBgn00340	36696	CG8152	0	0	1	0.0440419	9.69997	9.85882
FBgn02607	3355013	Gprk1	0	0	1	0.0440108	37.8077	38.4288
FBgn00399	3355158	CG13865	0	0	1	0.0439862	15.977	16.239
FBgn00235	31143	Pgam5	0	0	1	0.0439237	5.28325	5.36889
FBgn00520	12797935	CR32027	0	0	1	0.0439237	0.757886	0.769382
FBgn02608	8673999	CG42577	0	0	1	0.0439237	1.92917	1.95843
FBgn02666	19834895	asRNA:CR4	0	0	1	0.0439237	9.55942	9.71495
FBgn02675	26067207	CR45879	0	0	1	0.0439237	0.819503	0.831933
FBgn00303	32094	Uba5	0	0	1	0.0437791	13.3402	13.5566
FBgn00107	40593	atms	0	0	1	0.0437678	13.0309	13.2424
FBgn00248	3354919	Dbp80	0	0	1	0.0437606	35.8185	36.4005
FBgn00852	5740416	CG34245	0	0	1	0.0437573	14.7971	15.0359
FBgn00325	34984	Tpr2	0	0	1	0.0437163	81.0713	82.3868
FBgn00348	37727	wmd	0	0	1	0.0437016	14.0683	14.296
FBgn00285	43867	Atf3	0	0	1	0.043681	12.1676	12.3646
FBgn00392	42992	CG11781	0	0	1	0.0436458	20.3005	20.627
FBgn00029	34263	numb	0	0	1	0.0436307	12.4779	12.6795
FBgn00137	35801	pnut	0	0	1	0.0436277	16.9761	17.2502
FBgn00005	37201	ena	0	0	1	0.0436258	7.63937	7.76271
FBgn00624	37071	EMRE	0	0	1	0.0436108	18.8815	19.1852
FBgn00422	59246	CG18731	0	0	1	0.0433647	40.1952	40.836
FBgn00671	37516	GlcT-1	0	0	1	0.0433647	7.28346	7.39958

FBgn00117	37841	tsr	0	0	1	0.0433595	366.933	372.795
FBgn02664	19835902	CG45086	0	0	1	0.0433168	57.546	58.4634
FBgn00010	32855	fu	0	0	1	0.0433132	2.7798	2.82383
FBgn00380	41489	CG3942	0	0	1	0.0432919	37.3066	37.9005
FBgn00299	31692	Ir7c	0	0	1	0.0432513	1.73349	1.76064
FBgn00235	31157	Ocrl	0	0	1	0.0432196	9.58302	9.73493
FBgn00319	326157	mon2	0	0	1	0.043206	20.2491	20.5703
FBgn00396	43435	CG11873	0	0	1	0.0431816	6.06497	6.16104
FBgn00104	47253	dmGlut	0	0	1	0.0431619	14.2128	14.4375
FBgn00284	36819	JhI-26	0	0	1	0.0431397	55.4644	56.3414
FBgn00228	35418	Df31	0	0	1	0.0431299	47.6837	48.4374
FBgn00384	42060	Ns1	0	0	1	0.0431232	17.3149	17.5882
FBgn00289	43999	trbl	0	0	1	0.0431023	13.4813	13.6938
FBgn02653	40981	nac	0	0	1	0.0430803	6.67358	6.7781
FBgn02667	41866	Trs33	0	0	1	0.0430803	5.5804	5.66677
FBgn00348	37690	Prosbeta5F	0	0	1	0.0430535	47.3742	48.1201
FBgn00199	31917	Ser7	0	0	1	0.0429574	20.2498	20.5669
FBgn02667	39769	Trs20	0	0	1	0.0428649	22.6805	23.0333
FBgn00852	5740243	CG34203	0	0	1	0.0428504	45.7379	46.4505
FBgn00149	33532	Hydr2	0	0	1	0.0428488	61.7254	62.6891
FBgn00303	32169	Usp7	0	0	1	0.0428459	61.2119	62.1677
FBgn02615	19836174	CR42696	0	0	1	0.0427926	5.31686	5.39751
FBgn00288	50454	CG15283	0	0	1	0.0427423	29.1947	29.647
FBgn00026	36555	mam	0	0	1	0.0427317	5.23274	5.31393
FBgn00349	37783	CG5569	0	0	1	0.0427283	28.3814	28.821
FBgn00513	41592	CG31342	0	0	1	0.0427179	12.4492	12.6422
FBgn00271	31646	Inx2	0	0	1	0.0427072	14.1113	14.3302
FBgn02645	14462892	asRNA:CR4	0	0	1	0.0426861	77.9309	79.1386
FBgn00306	32508	CG9281	0	0	1	0.0426852	57.7921	58.6878
FBgn00304	32300	CG1998	0	0	1	0.0426219	14.2845	14.5048
FBgn00373	40686	CG2911	0	0	1	0.0425282	6.71555	6.81817
FBgn00332	35733	CG1882	0	0	1	0.0425072	29.6584	30.1142
FBgn00350	37921	ITP	0	0	1	0.0424912	19.3744	19.6719
FBgn02617	35325	brun	0	0	1	0.0424877	10.436	10.5961

FBgn00156	46456	CanB2	0	0	1	0.0424507	54.237	55.0685
FBgn00852	5740558	CG34230	0	0	1	0.0424039	13.2922	13.4938
FBgn00004	48228	DNaseII	0	0	1	0.0423986	24.3647	24.7368
FBgn00000	47080	acj6	0	0	1	0.0423843	1.81906	1.84666
FBgn00410	39368	rols	0	0	1	0.0423733	3.42246	3.47464
FBgn00285	34778	TM9SF4	0	0	1	0.0423229	27.8483	28.2725
FBgn00030	43943	or	0	0	1	0.0423116	16.6569	16.9096
FBgn00341	36935	CG11400	0	0	1	0.0422804	64.3413	65.3197
FBgn00530	326251	CG33096	0	0	1	0.0422654	25.2082	25.5913
FBgn00102	35917	Dbp45A	0	0	1	0.0422073	11.5722	11.7471
FBgn00320	34158	Rcd4	0	0	1	0.0422073	10.9633	11.1282
FBgn00344	37215	mip40	0	0	1	0.0422073	17.6974	17.9649
FBgn00512	10178952	CR31292	0	0	1	0.0422073	7.07468	7.17976
FBgn00352	38205	CG7970	0	0	1	0.0421858	52.2052	52.9955
FBgn00854	31987	spri	0	0	1	0.0421686	3.36682	3.4177
FBgn00284	40325	Sin	0	0	1	0.0421136	9.12481	9.26201
FBgn02626	34549	Nup160	0	0	1	0.0420488	15.2359	15.4651
FBgn00291	40259	Las	0	0	1	0.0420481	32.7684	33.2611
FBgn00000	37892	mAChR-A	0	0	1	0.0420091	3.99287	4.05269
FBgn02664	33861	Kr-h1	0	0	1	0.0419522	11.6394	11.8136
FBgn00357	38813	Cln7	0	0	1	0.0419348	21.8169	22.1431
FBgn00306	32492	cerv	0	0	1	0.0418494	6.99429	7.09773
FBgn00320	34185	PIG-U	0	0	1	0.0418236	22.7269	23.0648
FBgn02655	19835224	asRNA:CR4	0	0	1	0.0418211	12.5902	12.7774
FBgn00325	35000	CG17904	0	0	1	0.0418202	27.5221	27.9311
FBgn02662	43757	FeCH	0	0	1	0.041787	42.5783	43.2108
FBgn00379	41388	CG6790	0	0	1	0.0417682	71.5298	72.5923
FBgn00359	44679	ergic53	0	0	1	0.0417439	57.7469	58.6036
FBgn00137	39572	nuf	0	0	1	0.0417303	26.8472	27.2452
FBgn00156	34328	Dref	0	0	1	0.0417139	11.1149	11.2793
FBgn00318	34003	CG13784	0	0	1	0.0417139	35.1367	35.6573
FBgn00342	36942	CG10950	0	0	1	0.0417076	33.1226	33.6128
FBgn00351	38034	Dis3l2	0	0	1	0.041689	31.4396	31.9047
FBgn02619	38747	dikar	0	0	1	0.0416887	11.7517	11.9256

FBgn00359	39094	CG3448	0	0	1	0.0416607	17.8254	18.088
FBgn00370	40383	M6	0	0	1	0.0416297	17.0798	17.3316
FBgn00400	31698	p115	0	0	1	0.0416244	9.9544	10.101
FBgn00028	43232	ms(3)K81	0	0	1	0.041608	6.68766	6.78484
FBgn00316	33761	Ncoa6	0	0	1	0.0415452	6.89557	6.99685
FBgn02677	26067421	asRNA:CR4	0	0	1	0.0414342	18.5532	18.8228
FBgn00056	35121	msl-1	0	0	1	0.0414008	7.42653	7.53476
FBgn00308	32786	CG7536	0	0	1	0.0413973	14.9837	15.2021
FBgn00351	38073	MED14	0	0	1	0.0413949	8.63502	8.76088
FBgn00373	40635	Tim17b1	0	0	1	0.0413866	11.0872	11.2477
FBgn02667	19835194	CR45217	0	0	1	0.0413643	15.2419	15.4627
FBgn00363	39497	CG14111	0	0	1	0.041303	5.96859	6.05402
FBgn00392	42943	CG13630	0	0	1	0.041303	24.3441	24.6971
FBgn02670	19834782	CR45473	0	0	1	0.0412321	8.37602	8.49649
FBgn00001	41446	aurA	0	0	1	0.0411492	18.0205	18.2798
FBgn00262	37587	bonsai	0	0	1	0.0411299	25.7374	26.1072
FBgn00359	39062	PGRP-LA	0	0	1	0.0410508	16.5354	16.7723
FBgn00378	41359	CG17734	0	0	1	0.0410271	34.0984	34.5865
FBgn00009	35227	tj	0	0	1	0.0409944	0.668887	0.678166
FBgn00323	34539	CG16854	0	0	1	0.0409744	7.93053	8.04361
FBgn00253	31111	Mur2B	0	0	1	0.0409509	10.2718	10.4184
FBgn02676	44039	Pak	0	0	1	0.0409276	15.9354	16.1626
FBgn00317	33882	Pez	0	0	1	0.0409212	5.87816	5.96178
FBgn00339	36683	CG11807	0	0	1	0.0409212	31.7412	32.1935
FBgn02645	32202	hwt	0	0	1	0.0409126	3.06772	3.11135
FBgn00342	37005	eIF3c	0	0	1	0.0408754	75.4989	76.5731
FBgn00366	39805	CG13039	0	0	1	0.0407866	29.9728	30.396
FBgn00110	39768	SsRbeta	0	0	1	0.0407775	75.9559	77.0305
FBgn02664	19836061	CG45078	0	0	1	0.0407591	117.741	119.406
FBgn02621	3355010	IntS3	0	0	1	0.0407512	27.3544	27.741
FBgn00378	41261	CG12818	0	0	1	0.0407448	7.80584	7.91518
FBgn00198	33470	colt	0	0	1	0.0406719	32.7855	33.2467
FBgn00389	42618	CG5382	0	0	1	0.0406506	13.414	13.6019
FBgn00467	3355064	Haspin	0	0	1	0.0406371	21.1116	21.4079

FBgn00217	39879	nudC	0	0	1	0.0406176	40.0127	40.5742
FBgn00319	34106	CG12375	0	0	1	0.0406034	37.5687	38.0953
FBgn00392	42921	CG13617	0	0	1	0.0405771	2.67249	2.70956
FBgn00397	43609	mRpS18C	0	0	1	0.0405771	13.2713	13.4554
FBgn02633	12798228	CR43424	0	0	1	0.0405388	5.61602	5.69393
FBgn00854	39066	Pdxk	0	0	1	0.0405046	74.1159	75.1507
FBgn00256	38145	scf	0	0	1	0.0404662	27.7718	28.1584
FBgn02598	36440	Cap-G	0	0	1	0.0403895	14.3755	14.5749
FBgn00525	318060	CG32507	0	0	1	0.0403659	1.52024	1.54029
FBgn00361	39315	Pldn	0	0	1	0.0402464	13.027	13.2056
FBgn00361	39314	Sugb	0	0	1	0.0402268	11.1444	11.2977
FBgn00853	5740196	CG34292	0	0	1	0.0402158	46.8824	47.5266
FBgn02630	12798331	CG43324	0	0	1	0.0401994	23.8928	24.2201
FBgn02650	14462742	asRNA:CR4	0	0	1	0.0400817	40.082	40.6281
FBgn00011	32544	Gbeta13F	0	0	1	0.0400684	53.4551	54.1853
FBgn00241	36963	robl	0	0	1	0.0400629	83.6836	84.8247
FBgn00262	44261	eIF5B	0	0	1	0.0400005	49.7933	50.4711
FBgn00004	40832	Dfd	0	0	1	0.0399814	1.40099	1.41966
FBgn00348	37750	mRpL43	0	0	1	0.0399814	9.83707	9.96954
FBgn00336	36243	CG9005	0	0	1	0.0399591	11.8521	12.0129
FBgn00303	32149	SelG	0	0	1	0.0399249	44.7864	45.3926
FBgn00379	41454	CG3397	0	0	1	0.0399168	19.4904	19.7537
FBgn00384	42078	CG5285	0	0	1	0.0398844	3.11162	3.15267
FBgn02650	14462837	CG44195	0	0	1	0.0398499	38.847	39.3716
FBgn02669	42048	Sf3a1	0	0	1	0.0398149	10.5335	10.6751
FBgn00337	36386	muskelin	0	0	1	0.039743	7.65016	7.7526
FBgn00335	36154	CG18004	0	0	1	0.039722	1.83586	1.85965
FBgn00356	38684	Jon65Aii	0	0	1	0.039722	5.50791	5.58056
FBgn00367	39930	CG6479	0	0	1	0.0396917	17.4139	17.6467
FBgn02677	26067398	asRNA:CR4	0	0	1	0.0395913	6.17423	6.25481
FBgn00376	41027	CG8036	0	0	1	0.0395765	147.968	149.938
FBgn00384	41992	ema	0	0	1	0.0395499	16.227	16.4425
FBgn00396	43425	beta4GalN/	0	0	1	0.0395499	10.7805	10.9231
FBgn02612	40155	SREBP	0	0	1	0.0395253	54.0432	54.7608

FBgn00370	40282	CG4858	0	0	1	0.0395229	37.0852	37.5766
FBgn00524	38363	CG32485	0	0	1	0.0394778	39.7517	40.2774
FBgn00256	35513	ZnT41F	0	0	1	0.0394579	19.2759	19.5306
FBgn00530	43012	CG33095	0	0	1	0.0394255	26.9136	27.2689
FBgn00337	36433	CG13323	0	0	1	0.0394242	107.797	109.22
FBgn02592	42455	CG42322	0	0	1	0.039424	5.96372	6.04226
FBgn00399	3355094	CG12567	0	0	1	0.0393233	36.6975	37.1793
FBgn00500	36147	CG30015	0	0	1	0.0392761	37.6842	38.178
FBgn00257	33944	homer	0	0	1	0.0392556	21.3855	21.6651
FBgn00522	317946	CG32267	0	0	1	0.0392135	68.5213	69.4143
FBgn00438	34460	CG18284	0	0	1	0.0391353	121.633	123.215
FBgn00534	2768994	CG33493	0	0	1	0.0391288	35.7389	36.2019
FBgn00316	33668	CG11929	0	0	1	0.03907	42.3331	42.8815
FBgn00307	32553	CG8916	0	0	1	0.0390621	1.11557	1.12949
FBgn00388	42507	Ice2	0	0	1	0.0390106	3.92955	3.9799
FBgn00312	33183	CG11617	0	0	1	0.0389952	5.57361	5.64478
FBgn00152	31332	Rala	0	0	1	0.0389825	39.4407	39.9491
FBgn00334	36044	CG12129	0	0	1	0.0389665	21.4104	21.6855
FBgn00361	39274	CG6163	0	0	1	0.0389665	2.61547	2.64865
FBgn00408	50285	CG8750	0	0	1	0.0389185	49.6267	50.2631
FBgn00317	33774	Vps52	0	0	1	0.0388868	22.7019	22.9927
FBgn00307	32605	CG9992	0	0	1	0.0388585	23.969	24.2756
FBgn00387	42336	CG17751	0	0	1	0.0388384	12.2509	12.4071
FBgn00243	31078	CG11409	0	0	1	0.0387935	0.795315	0.805243
FBgn00275	36585	beta4GalN/	0	0	1	0.0387822	14.5661	14.7514
FBgn00000	37073	adp	0	0	1	0.0387706	17.4777	17.7001
FBgn00421	246511	CG18853	0	0	1	0.0387567	7.16194	7.25227
FBgn00175	40683	Rga	0	0	1	0.0387209	17.4294	17.6507
FBgn00335	36158	CG12942	0	0	1	0.0386999	3.94515	3.99483
FBgn00390	42787	GILT3	0	0	1	0.0386582	14.6048	14.7885
FBgn00367	40000	CG13698	0	0	1	0.0385955	12.1438	12.2967
FBgn00304	32296	CG1662	0	0	1	0.0385652	24.2404	24.5455
FBgn02632	36046	sel	0	0	1	0.0385178	46.0787	46.6571
FBgn02607	41445	CG3281	0	0	1	0.0385062	6.82525	6.91045

FBgn02644	14462891	asRNA:CR4	0	0	1	0.0384935	71.6072	72.5051
FBgn00002	33757	Bsg25D	0	0	1	0.0384722	10.7734	10.9084
FBgn00324	34656	CG6388	0	0	1	0.0383855	13.6352	13.8048
FBgn00333	35854	CG8586	0	0	1	0.0383855	19.2475	19.4873
FBgn00369	40204	CG7328	0	0	1	0.0383855	5.35048	5.41649
FBgn00388	42434	CG5412	0	0	1	0.0383855	3.65302	3.69756
FBgn00394	43170	CG14544	0	0	1	0.0383855	1.37862	1.39482
FBgn00411	39716	comm2	0	0	1	0.0383855	16.8197	17.0289
FBgn02634	12797868	snoRNA:kis	0	0	1	0.0383855	8.21558	8.30583
FBgn02634	12798070	scaRNA:Psi	0	0	1	0.0383855	5.16408	5.22081
FBgn00249	31261	CG2701	0	0	1	0.038296	7.09785	7.18555
FBgn02674	26067129	asRNA:CR4	0	0	1	0.0382665	169.553	171.654
FBgn00375	40966	Ada2b	0	0	1	0.0382329	15.3274	15.5166
FBgn00366	39897	Cpr73D	0	0	1	0.038227	3.2028	3.24207
FBgn00311	33103	CG1718	0	0	1	0.038072	18.4272	18.653
FBgn00341	36908	ste24a	0	0	1	0.0380643	71.3948	72.2692
FBgn00323	34547	CG14921	0	0	1	0.0379351	17.9444	18.1616
FBgn00371	40402	CG11306	0	0	1	0.0379351	34.3469	34.7642
FBgn00333	35855	CG8738	0	0	1	0.037925	4.09673	4.14588
FBgn00500	246424	CG30058	0	0	1	0.0379192	50.7182	51.3341
FBgn00852	5740771	CG34235	0	0	1	0.0379192	50.7182	51.3341
FBgn02591	37614	CG42260	0	0	1	0.0378878	2.2929	2.32059
FBgn00353	38369	CG11486	0	0	1	0.0378846	29.4138	29.7704
FBgn02507	43136	CG42235	0	0	1	0.037793	25.8449	26.1566
FBgn00230	44235	bon	0	0	1	0.0377528	8.80949	8.91535
FBgn02628	12798476	CG43203	0	0	1	0.0376918	17.0542	17.2574
FBgn00391	42851	CG6000	0	0	1	0.0376504	17.904	18.1166
FBgn00373	40708	CG1236	0	0	1	0.0376415	17.4083	17.6156
FBgn00524	318042	CG32461	0	0	1	0.0376415	23.4874	23.7671
FBgn00399	49893	CG17508	0	0	1	0.0376086	166.182	168.165
FBgn00143	40678	noi	0	0	1	0.0375217	11.5175	11.6537
FBgn00368	40138	Lon	0	0	1	0.0374307	51.9978	52.6117
FBgn00365	39770	elg1	0	0	1	0.0374093	2.62838	2.65913
FBgn00342	36973	CG4847	0	0	1	0.0373382	93.2328	94.3273

FBgn00504	37696	CR30409	0	0	1	0.0373382	4.88703	4.94321
FBgn02670	19836122	CR45470	0	0	1	0.0373382	9.03929	9.14207
FBgn02677	26067412	CR46095	0	0	1	0.0373382	2.75418	2.78443
FBgn00115	33346	cpb	0	0	1	0.0373257	32.4988	32.8797
FBgn00316	33717	CG3792	0	0	1	0.0373195	35.1425	35.5539
FBgn00366	8674109	CR18217	0	0	1	0.0372873	7.34888	7.43443
FBgn00260	41361	KP78b	0	0	1	0.03726	6.04297	6.11341
FBgn00260	41362	KP78a	0	0	1	0.03726	6.04297	6.11341
FBgn00102	41668	Rbp4	0	0	1	0.037241	10.6638	10.7876
FBgn02673	39686	dop	0	0	1	0.0372335	21.9647	22.2209
FBgn00349	37836	CG3163	0	0	1	0.0371853	8.28138	8.37688
FBgn00235	31155	Rbcn-3B	0	0	1	0.0371683	13.7791	13.9391
FBgn02664	19835548	PIG-Z	0	0	1	0.0371655	7.06172	7.14347
FBgn02664	19836003	CG45069	0	0	1	0.0371655	7.06172	7.14347
FBgn00297	31377	CG3626	0	0	1	0.0371492	13.187	13.3399
FBgn00421	59170	CG18809	0	0	1	0.0370315	8.01465	8.10664
FBgn00394	43196	CG5455	0	0	1	0.0370262	41.9785	42.4621
FBgn00380	41554	CG11598	0	0	1	0.0369865	66.2857	67.0472
FBgn00332	35768	CG14762	0	0	1	0.0369764	37.1705	37.5975
FBgn00400	34281	Trx-2	0	0	1	0.0369571	118.644	120.005
FBgn00033	31617	shf	0	0	1	0.0369145	13.4233	13.5764
FBgn00044	34364	me31B	0	0	1	0.0368866	76.4568	77.3302
FBgn00030	40358	Pc	0	0	1	0.0368769	6.22316	6.29381
FBgn00331	35602	Spn42De	0	0	1	0.0368769	3.58605	3.62623
FBgn00389	42576	CG6656	0	0	1	0.0367909	30.7459	31.0946
FBgn00275	36513	CG6191	0	0	1	0.036765	21.6141	21.8591
FBgn00370	40293	Pex16	0	0	1	0.0367539	24.309	24.5839
FBgn00256	34976	CaBP1	0	0	1	0.0367178	51.9598	52.5469
FBgn00283	32732	Ankle2	0	0	1	0.0367085	12.8537	12.9988
FBgn02668	19836134	asRNA:CR4	0	0	1	0.0366694	5.14815	5.20603
FBgn00302	32014	CG2202	0	0	1	0.0366505	4.75432	4.80755
FBgn02645	14462582	CR43909	0	0	1	0.0366388	9.81409	9.92368
FBgn00103	35197	brat	0	0	1	0.0366113	3.46821	3.5071
FBgn02633	12798283	CR43437	0	0	1	0.0365892	17.6195	17.8151

FBgn00415	37040	olf186-F	0	0	1	0.0365722	12.1347	12.2706
FBgn00029	42799	nau	0	0	1	0.0365651	3.30339	3.33968
FBgn02672	19835210	asRNA:CR4	0	0	1	0.0364765	93.331	94.3673
FBgn00503	35783	Asap	0	0	1	0.0364476	17.4498	17.6437
FBgn00113	43005	Stt3B	0	0	1	0.0364154	78.8522	79.7271
FBgn00339	36652	CG10209	0	0	1	0.0363801	6.07239	6.13909
FBgn00371	40490	CG14450	0	0	1	0.0363728	8.64109	8.73601
FBgn02618	35442	CG42748	0	0	1	0.0363664	10.6425	10.7602
FBgn00355	38601	CG4611	0	0	1	0.036335	8.36177	8.45362
FBgn00398	43694	CG12054	0	0	1	0.0362659	15.9939	16.1696
FBgn00114	41743	PR-Set7	0	0	1	0.0362498	6.73394	6.80764
FBgn00341	36899	CG15614	0	0	1	0.0362498	0.456145	0.460417
FBgn00540	3885577	CG34008	0	0	1	0.0362498	5.01685	5.07039
FBgn00857	5740520	CR41508	0	0	1	0.0362498	0.667785	0.674041
FBgn00860	5740711	snoRNA:M	0	0	1	0.0362498	6.37766	6.4374
FBgn02636	14462467	CR43641	0	0	1	0.0362498	1.39033	1.40335
FBgn02644	14462876	CR43870	0	0	1	0.0362498	4.74185	4.79208
FBgn02652	19835876	CG44261	0	0	1	0.0362498	10.5735	10.6873
FBgn02675	26067197	asRNA:CR4	0	0	1	0.0361572	41.5762	42.0275
FBgn02594	35576	Mob4	0	0	1	0.03614	40.9689	41.415
FBgn00283	34961	heix	0	0	1	0.0360376	14.4896	14.6463
FBgn00043	38135	Klp61F	0	0	1	0.0359309	3.89335	3.93496
FBgn00387	42318	CG3734	0	0	1	0.0359018	34.1614	34.5276
FBgn00376	41100	CG16734	0	0	1	0.0358433	5.64915	5.70878
FBgn02648	14462527	asRNA:CR4	0	0	1	0.0358433	26.0572	26.3322
FBgn02508	8674081	CG33655	0	0	1	0.0358	62.5263	63.1929
FBgn00364	39647	Cep135	0	0	1	0.0357932	9.83746	9.94205
FBgn00853	5740793	CG34312	0	0	1	0.035774	49.8296	50.3598
FBgn02591	41431	glo	0	0	1	0.0357702	39.9981	40.4236
FBgn00249	31253	CG2658	0	0	1	0.0357565	12.5792	12.7127
FBgn02659	19835282	CR44691	0	0	1	0.0357522	7.05859	7.13242
FBgn00229	40429	CycH	0	0	1	0.0357329	8.72056	8.81213
FBgn00370	40301	CG3634	0	0	1	0.0357329	7.94983	8.03379
FBgn00056	36003	trpl	0	0	1	0.035698	72.47	73.2377

FBgn00349	37833	CG11388	0	0	1	0.0356186	13.9457	14.092
FBgn00056	37603	robo1	0	0	1	0.03558	5.99453	6.05739
FBgn00326	35111	CG10413	0	0	1	0.0355649	29.2143	29.5209
FBgn00303	32108	CG1561	0	0	1	0.0355318	23.7901	24.0389
FBgn02604	31000	elav	0	0	1	0.0355273	7.46094	7.53901
FBgn00030	35886	Pgi	0	0	1	0.0355002	131.414	132.788
FBgn00361	2768980	Muc68Ca	0	0	1	0.0355002	0.221892	0.224093
FBgn00264	32946	Grip84	0	0	1	0.0354866	6.51923	6.58716
FBgn00365	39684	CG7739	0	0	1	0.0353672	58.9899	59.6009
FBgn00316	33670	Elba3	0	0	1	0.0353478	2.44221	2.4667
FBgn00275	43654	cindr	0	0	1	0.0352631	33.8427	34.1908
FBgn00391	42882	Spps	0	0	1	0.0352458	3.65708	3.69436
FBgn00340	36761	CG8370	0	0	1	0.0352155	7.46466	7.54104
FBgn00516	318883	Tengl1	0	0	1	0.035189	51.8738	52.4041
FBgn00380	3772405	Cyp9f3	0	0	1	0.0351728	36.5345	36.9077
FBgn00301	31873	CG17754	0	0	1	0.0351178	8.29719	8.38142
FBgn00311	33140	CG17598	0	0	1	0.0351178	7.96055	8.04141
FBgn00349	37856	CG16786	0	0	1	0.0351178	1.76233	1.77993
FBgn00539	3772058	His2B:CG33	0	0	1	0.0351178	2.33669	2.35858
FBgn00301	31902	Gga	0	0	1	0.03506	11.9945	12.1158
FBgn00103	32256	hep	0	0	1	0.0349623	7.61941	7.69605
FBgn00316	33719	CG8892	0	0	1	0.0347304	7.0987	7.16857
FBgn02625	39432	ver	0	0	1	0.0347304	13.0429	13.1709
FBgn00260	42484	Rlip	0	0	1	0.0346473	13.1192	13.2482
FBgn00358	38936	BI-1	0	0	1	0.0346265	195.092	197.012
FBgn00307	32599	CG9921	0	0	1	0.0345421	56.2907	56.8405
FBgn00328	35334	CarT	0	0	1	0.0345347	4.44156	4.48455
FBgn02834	34892	Pol32	0	0	1	0.0345347	5.65114	5.70564
FBgn00393	43115	CG4960	0	0	1	0.0344692	19.4933	19.6819
FBgn00306	32538	CG8565	0	0	1	0.034462	116.071	117.2
FBgn00257	38199	alphaCOP	0	0	1	0.0344309	34.1957	34.5275
FBgn00286	39845	Rpn12	0	0	1	0.0344	40.103	40.4904
FBgn00308	32751	CG8188	0	0	1	0.0343609	26.8572	27.1164
FBgn00343	37083	nopo	0	0	1	0.0343377	4.99987	5.0474

FBgn02604	7354419	CR11386	0	0	1	0.0343377	7.73838	7.81087
FBgn02621	5740320	uex	0	0	1	0.0343083	27.0745	27.3348
FBgn00260	31544	Mipp2	0	0	1	0.0343042	16.7767	16.9377
FBgn00012	37068	Hsf	0	0	1	0.0342027	21.8248	22.0329
FBgn00279	40693	MTA1-like	0	0	1	0.0341931	11.1362	11.2423
FBgn02636	39750	mib1	0	0	1	0.0341917	19.4273	19.6124
FBgn02619	31905	CG42797	0	0	1	0.0341873	5.81469	5.86999
FBgn00376	41068	CG11964	0	0	1	0.0341678	15.5333	15.6807
FBgn00337	36373	achi	0	0	1	0.0341289	10.3244	10.4221
FBgn00396	43423	CG1951	0	0	1	0.0341206	11.4538	11.5622
FBgn02614	31071	CG3638	0	0	1	0.0341118	13.9309	14.063
FBgn00258	31800	Crag	0	0	1	0.0340995	11.9432	12.0562
FBgn00285	37842	gammaSna	0	0	1	0.034044	42.9919	43.3967
FBgn00531	118436	Ranbp16	0	0	1	0.0339795	26.5403	26.7893
FBgn00338	36519	CG18368	0	0	1	0.0339758	23.966	24.1908
FBgn00322	34410	CG5096	0	0	1	0.0339396	114.649	115.723
FBgn00394	43221	CG14247	0	0	1	0.0339396	0.678209	0.683374
FBgn02663	19835821	asRNA:CR4	0	0	1	0.0339396	3.25962	3.28736
FBgn02652	19835779	asRNA:CR4	0	0	1	0.0337674	14.0039	14.1317
FBgn02623	12798214	CG43052	0	0	1	0.0337386	16.8765	17.0298
FBgn02507	33505	Chd1	0	0	1	0.0337273	13.1854	13.3067
FBgn00373	40711	CG2091	0	0	1	0.0337097	10.8727	10.9719
FBgn00275	43607	CG2217	0	0	1	0.0336713	18.0692	18.2348
FBgn02617	10178837	CG42740	0	0	1	0.0336713	18.0692	18.2348
FBgn00531	36732	FBgn00531	0	0	1	0.0336099	13.4323	13.5547
FBgn02598	39747	Hip14	0	0	1	0.0335896	13.4268	13.549
FBgn00324	34714	Edem2	0	0	1	0.0334503	18.3925	18.5582
FBgn02627	48973	Src64B	0	0	1	0.0334363	7.02116	7.08423
FBgn00313	33295	Vps29	0	0	1	0.033429	26.1922	26.427
FBgn00143	40667	mia	0	0	1	0.0334004	7.17174	7.23575
FBgn00273	31811	l(1)G0020	0	0	1	0.0333323	3.37957	3.40943
FBgn00354	38461	CG10866	0	0	1	0.0332914	10.995	11.0924
FBgn00316	326151	pgant5	0	0	1	0.0332832	15.1238	15.2583
FBgn00471	251610	CG31142	0	0	1	0.0331904	27.6771	27.92

FBgn00337	36338	CG8490	0	0	1	0.0331271	4.89529	4.93694
FBgn02607	8674029	CG42561	0	0	1	0.0331271	3.58636	3.61582
FBgn00031	35292	pr	0	0	1	0.0330934	31.2792	31.5525
FBgn00380	41518	lig3	0	0	1	0.03303	13.4014	13.518
FBgn02658	19835751	CR44606	0	0	1	0.0330239	5.26071	5.30547
FBgn00026	43573	RpL32	0	0	1	0.0330104	334.517	337.432
FBgn00407	50192	CG15357	0	0	1	0.0329619	12.1654	12.2689
FBgn00265	42871	Apc2	0	0	1	0.0329352	9.4731	9.55489
FBgn00392	42984	CG11771	0	0	1	0.0328086	24.8632	25.076
FBgn00306	32509	CG15601	0	0	1	0.0327957	6.33459	6.38811
FBgn00329	35417	CG2201	0	0	1	0.032761	36.145	36.4534
FBgn00334	36014	CG1665	0	0	1	0.0327123	19.4576	19.6221
FBgn00411	38516	ago	0	0	1	0.0327123	15.307	15.437
FBgn00650	3771870	snmRNA:7(	0	0	1	0.0327123	14.0496	14.1566
FBgn00102	39445	Klc	0	0	1	0.0326398	39.8584	40.1949
FBgn02666	19835077	asRNA:CR4	0	0	1	0.0325868	44.9272	45.3045
FBgn00048	43767	ci	0	0	1	0.032523	8.7686	8.84183
FBgn02610	40682	asl	0	0	1	0.0325096	13.2009	13.311
FBgn00398	43780	CG1674	0	0	1	0.0325028	46.4437	46.8318
FBgn00371	40449	CG7133	0	0	1	0.0324866	18.1621	18.313
FBgn00256	31015	Hmt4-20	0	0	1	0.0324848	11.47	11.5656
FBgn00000	42918	nAChRalph	0	0	1	0.0324765	1.96691	1.98321
FBgn00278	40546	CG9776	0	0	1	0.0324108	33.8901	34.171
FBgn02508	42510	meigo	0	0	1	0.0323829	23.5641	23.7586
FBgn02635	40559	lost	0	0	1	0.0323791	178.01	179.482
FBgn00331	35648	Br140	0	0	1	0.0323243	3.19001	3.21607
FBgn00302	32019	CG1637	0	0	1	0.0322679	47.9493	48.3421
FBgn00349	37775	CG5554	0	0	1	0.0319208	36.0293	36.3152
FBgn00024	43673	dco	0	0	1	0.0319011	20.2372	20.3977
FBgn02676	26067279	asRNA:CR4	0	0	1	0.0318783	42.2844	42.6188
FBgn00370	40302	HIPP1	0	0	1	0.031853	20.9313	21.0965
FBgn02627	31376	norpA	0	0	1	0.0318193	44.5958	44.9473
FBgn00343	37140	CG5335	0	0	1	0.0318098	32.6777	32.9341
FBgn00273	3354921	Gfat1	0	0	1	0.0318068	20.1907	20.3495

FBgn00288	34898	CG15263	0	0	1	0.0317839	23.6674	23.8523
FBgn00041	48986	boca	0	0	1	0.0317578	15.2067	15.3242
FBgn00870	40581	Karybeta3	0	0	1	0.0316886	124.983	125.957
FBgn00334	36025	Sec24AB	0	0	1	0.0316365	32.8557	33.1103
FBgn00307	32558	Rrp47	0	0	1	0.0315462	11.9449	12.0359
FBgn00405	49997	CG11052	0	0	1	0.0315462	18.4931	18.6339
FBgn00038	35851	ptc	0	0	1	0.0314328	2.65424	2.67423
FBgn00372	40548	Skp2	0	0	1	0.0314328	256.75	258.704
FBgn00526	318133	CG32638	0	0	1	0.0314328	37.317	37.6004
FBgn00534	2768725	CG33474	0	0	1	0.0314328	1.01784	1.02464
FBgn02645	14462842	CR43910	0	0	1	0.0314328	1.2067	1.21359
FBgn02653	19835238	CR44305	0	0	1	0.0314328	2.16172	2.17719
FBgn00417	39430	tral	0	0	1	0.031402	40.783	41.0924
FBgn00397	43591	CG9747	0	0	1	0.0313294	21.8326	21.9968
FBgn00521	317891	CG32163	0	0	1	0.0313138	30.9517	31.1835
FBgn00345	37331	FAM21	0	0	1	0.0312912	5.34742	5.38734
FBgn00030	43428	Pkc98E	0	0	1	0.0312349	18.3209	18.4577
FBgn00006	35097	Fas3	0	0	1	0.0311681	11.9562	12.0448
FBgn00406	50160	CG14645	0	0	1	0.0311599	1484.83	1495.85
FBgn00043	35975	Wnt2	0	0	1	0.0311043	2.35859	2.37547
FBgn00322	34387	Usp14	0	0	1	0.0311023	64.6605	65.1372
FBgn00415	37864	tamo	0	0	1	0.031087	11.4394	11.5234
FBgn00315	33541	CG9663	0	0	1	0.0310099	12.1143	12.2026
FBgn02651	19835383	PIG-V	0	0	1	0.0309838	46.164	46.5004
FBgn00331	35608	Cyp6u1	0	0	1	0.0309056	11.4135	11.4956
FBgn00363	39504	CG10222	0	0	1	0.0309056	4.94757	4.9825
FBgn00370	40276	CG5078	0	0	1	0.0309056	2.44135	2.45813
FBgn00383	41868	Atg4b	0	0	1	0.0308935	10.914	10.9925
FBgn00866	33349	frtz	0	0	1	0.0308676	2.56367	2.58184
FBgn00004	39866	Dab	0	0	1	0.0308483	11.2666	11.3477
FBgn02657	33881	PDZ-GEF	0	0	1	0.030808	12.1776	12.2649
FBgn00327	35226	CG10026	0	0	1	0.0308075	11.995	12.0805
FBgn00285	3771806	mei-217	0	0	1	0.0308026	32.0734	32.3033
FBgn00359	39032	CG5068	0	0	1	0.0307724	8.57558	8.63626

FBgn00535	42150	Rim	0	0	1	0.0307724	4.81549	4.84985
FBgn00670	318149	Rab9D	0	0	1	0.0307724	2.91396	2.93343
FBgn00529	318261	CG32945	0	0	1	0.0307533	32.6905	32.9221
FBgn02616	33419	Axud1	0	0	1	0.0307116	6.7166	6.76407
FBgn00365	39679	CG7945	0	0	1	0.0306562	62.1097	62.5483
FBgn00411	117332	Rheb	0	0	1	0.0306061	84.3958	84.9887
FBgn00037	41852	Tm1	0	0	1	0.0305916	42.5165	42.8151
FBgn00382	41759	Cyp313a1	0	0	1	0.0305611	60.4104	60.8328
FBgn00636	41962	CG6006	0	0	1	0.0303339	6.87553	6.92233
FBgn00044	45961	Pep	0	0	1	0.0303215	61.29	61.7087
FBgn00304	32212	CG2543	0	0	1	0.0302488	2.76363	2.78181
FBgn00335	36128	CG12338	0	0	1	0.0302246	36.167	36.411
FBgn00379	41407	Ho	0	0	1	0.0302111	55.9351	56.3122
FBgn00330	35556	CG15233	0	0	1	0.0302023	10.3175	10.3857
FBgn00360	39207	CG14154	0	0	1	0.0301733	46.1988	46.5087
FBgn00152	32045	Hsp60A	0	0	1	0.0301728	42.9881	43.2771
FBgn02614	38760	sgl	0	0	1	0.0301233	30.4467	30.6501
FBgn00319	34062	CG7154	0	0	1	0.0300976	9.21326	9.27439
FBgn00365	39771	CG5157	0	0	1	0.0300976	1.85643	1.86795
FBgn00052	48552	Sam-S	0	0	1	0.0300844	94.8971	95.53
FBgn02637	32028	Myo10A	0	0	1	0.0300257	0.932263	0.938352
FBgn00300	31775	Miga	0	0	1	0.0299151	10.3547	10.4222
FBgn00511	40913	Nlg1	0	0	1	0.0298846	4.87518	4.90683
FBgn00322	34393	Schip1	0	0	1	0.0298768	9.77207	9.83526
FBgn00303	32090	HP5	0	0	1	0.0298694	6.02345	6.06242
FBgn00372	40617	CG12007	0	0	1	0.0298485	23.1697	23.3198
FBgn02615	32754	CG42684	0	0	1	0.0297812	3.50213	3.52463
FBgn00005	38291	ecd	0	0	1	0.0297665	8.54132	8.59585
FBgn02636	12797908	CR43625	0	0	1	0.0296395	3.74007	3.76142
FBgn00381	41599	CG7518	0	0	1	0.0295795	5.90355	5.94072
FBgn00363	39460	Wbp2	0	0	1	0.0295678	112.362	113.071
FBgn00383	41953	CG10185	0	0	1	0.0295625	4.33202	4.35911
FBgn00305	32418	CG9514	0	0	1	0.0295074	1.45359	1.4623
FBgn02645	38109	Glut1	0	0	1	0.0293712	6.73482	6.7763

FBgn00203	37546	dve	0	0	1	0.0293614	3.92325	3.9472
FBgn00346	37520	CG6613	0	0	1	0.0293404	16.5894	16.691
FBgn00829	5740829	snoRNA:Psi	0	0	1	0.0292942	205.357	206.605
FBgn00315	33637	CG15429	0	0	1	0.0292915	16.395	16.494
FBgn00399	43824	Cals	0	0	1	0.0292749	61.0358	61.4084
FBgn00376	41074	CG11975	0	0	1	0.0292332	17.8424	17.9502
FBgn00295	31678	CHES-1-like	0	0	1	0.0292197	8.05165	8.10037
FBgn00306	32507	CG8134	0	0	1	0.0291278	8.58733	8.63806
FBgn00370	40323	CG10585	0	0	1	0.0290727	7.41975	7.46339
FBgn00117	39070	Fdx1	0	0	1	0.0290574	13.847	13.9278
FBgn00354	38407	ZnT63C	0	0	1	0.0289958	24.8746	25.0213
FBgn00380	41549	Octbeta2R	0	0	1	0.0289611	2.81431	2.83072
FBgn00301	31928	CG1889	0	0	1	0.0289303	10.7494	10.8116
FBgn00324	34713	CG16974	0	0	1	0.0288631	35.0198	35.2234
FBgn00367	39934	CG7692	0	0	1	0.0288192	17.3076	17.4075
FBgn00373	40697	CG2182	0	0	1	0.0288146	27.0467	27.2027
FBgn00279	34813	NimB1	0	0	1	0.028703	3.94772	3.96927
FBgn00337	36437	CG13325	0	0	1	0.028703	4.58396	4.60982
FBgn00526	318134	CG32639	0	0	1	0.028703	3.94143	3.96196
FBgn02672	19835797	CR45645	0	0	1	0.028703	0.868956	0.872112
FBgn00861	41531	Prosalpha2	0	0	1	0.0286686	115.307	115.961
FBgn02612	40850	Alh	0	0	1	0.0286381	5.80849	5.84126
FBgn00866	41776	l(3)L1231	0	0	1	0.0286138	16.3093	16.4012
FBgn00349	37808	fzr2	0	0	1	0.0285442	15.821	15.9087
FBgn00167	38644	Usp47	0	0	1	0.0285411	75.9501	76.3749
FBgn00285	34890	ZnT35C	0	0	1	0.0284927	20.2159	20.3278
FBgn00383	41861	Sra-1	0	0	1	0.0284805	24.7844	24.9218
FBgn02659	36614	ttv	0	0	1	0.0284741	4.53089	4.55585
FBgn00377	41230	ohgt	0	0	1	0.0284728	26.8891	27.0377
FBgn00356	38613	Uev1A	0	0	1	0.0284395	89.2223	89.7146
FBgn00513	318677	CG31313	0	0	1	0.028419	97.1302	97.6639
FBgn00395	43352	BOD1	0	0	1	0.0283051	21.4757	21.592
FBgn00255	43913	Gk1	0	0	1	0.0282984	51.0982	51.3749
FBgn00358	38943	CG7083	0	0	1	0.0282373	23.147	23.2711

FBgn00393	43078	CG4553	0	0	1	0.0282242	5.93062	5.96151
FBgn00351	38080	CG17129	0	0	1	0.0282125	10.9286	10.9867
FBgn02630	12798278	CG43319	0	0	1	0.0281639	45.1857	45.421
FBgn00265	47906	Dek	0	0	1	0.0281302	34.6205	34.804
FBgn00261	31052	CDC45L	0	0	1	0.0280971	5.42568	5.45378
FBgn00338	36533	Syngr	0	0	1	0.0280821	11.9127	11.9751
FBgn00311	33088	CG15446	0	0	1	0.028025	14.0855	14.1584
FBgn00227	31404	Pp2C1	0	0	1	0.0279525	13.6999	13.7708
FBgn00291	44005	NHP2	0	0	1	0.0279159	17.7663	17.8564
FBgn00297	31414	CG2861	0	0	1	0.0278686	13.8558	13.9267
FBgn02660	19835834	CR44834	0	0	1	0.0278361	10.0228	10.0719
FBgn02659	36740	Zasp52	0	0	1	0.0277634	38.7501	38.9458
FBgn00296	31318	CG10802	0	0	1	0.0277628	17.1147	17.2003
FBgn02644	41704	rdx	0	0	1	0.0277548	11.5181	11.5761
FBgn00055	49070	Mbs	0	0	1	0.0276899	21.241	21.3471
FBgn00276	32426	pdgy	0	0	1	0.0276806	33.8898	34.0588
FBgn00307	32594	SWIP	0	0	1	0.0276751	10.9648	11.0192
FBgn00332	35749	CG14764	0	0	1	0.0276612	17.7504	17.8384
FBgn00045	33386	GlyP	0	0	1	0.0276016	73.2134	73.5748
FBgn00352	38181	CG12099	0	0	1	0.0276009	64.282	64.5992
FBgn00504	246653	CG30497	0	0	1	0.0275754	47.2834	47.5161
FBgn02665	19835795	CG45093	0	0	1	0.0275754	47.2834	47.5161
FBgn02633	12798195	CR43410	0	0	1	0.0275419	6.34285	6.3713
FBgn00370	40386	CG7611	0	0	1	0.027538	21.3906	21.4951
FBgn02615	37643	Reep1	0	0	1	0.027485	32.1467	32.3027
FBgn00011	43229	His2Av	0	0	1	0.0274796	38.961	39.1492
FBgn02599	8674066	CG42492	0	0	1	0.0274309	10.6356	10.6867
FBgn00263	37035	Ubc10	0	0	1	0.0274271	61.5141	61.8093
FBgn00249	31256	eIF2Bbeta	0	0	1	0.0273867	19.3847	19.4766
FBgn00365	39761	ATPsynbeta	0	0	1	0.0273803	10.1475	10.1954
FBgn00396	43436	alpha-Man	0	0	1	0.0273195	15.5963	15.6699
FBgn00324	34684	CG5787	0	0	1	0.0273121	19.106	19.1963
FBgn00322	34443	CG6144	0	0	1	0.027245	11.7261	11.7803
FBgn00378	41350	GCC88	0	0	1	0.027245	7.53245	7.56724

FBgn00852	5740488	CG34263	0	0	1	0.027245	4.74221	4.75943
FBgn00854	32877	htk	0	0	1	0.027245	2.88785	2.90125
FBgn02630	35117	CG43338	0	0	1	0.027245	0.429898	0.431459
FBgn00027	3772646	mei-218	0	0	1	0.027188	25.9513	26.0719
FBgn00313	33394	CG10874	0	0	1	0.0271572	13.3773	13.4385
FBgn00049	32458	Top1	0	0	1	0.0271264	18.8818	18.9686
FBgn00046	40148	Gbeta76C	0	0	1	0.0271072	60.0326	60.3078
FBgn00148	31849	Ost48	0	0	1	0.0269808	27.9904	28.1157
FBgn00328	35267	CdGAPr	0	0	1	0.0267629	17.0664	17.1406
FBgn00117	39349	byn	0	0	1	0.0267441	2.09861	2.10724
FBgn00261	32995	SkpD	0	0	1	0.0267441	11.3176	11.3648
FBgn00248	43775	Crk	0	0	1	0.0267047	58.5229	58.7746
FBgn00249	38721	Tnpo	0	0	1	0.026607	26.1227	26.2335
FBgn02664	19834937	CG45075	0	0	1	0.0265681	10.2473	10.2903
FBgn02598	7354470	CG42402	0	0	1	0.0265416	5.49978	5.52264
FBgn00364	39555	CG6650	0	0	1	0.0265349	23.909	24.009
FBgn00384	42056	CG5220	0	0	1	0.0264908	17.9405	18.0141
FBgn00368	40085	CG10424	0	0	1	0.0264645	14.5235	14.5827
FBgn00256	31177	CG4025	0	0	1	0.0264321	19.4198	19.4989
FBgn00316	33716	Gmd	0	0	1	0.0264321	20.5744	20.6585
FBgn00101	44150	RpS15Aa	0	0	1	0.0264027	754.666	757.764
FBgn00342	37009	HPS4	0	0	1	0.0262579	19.2763	19.3532
FBgn00262	45775	mei-P26	0	0	1	0.0262356	5.73059	5.7534
FBgn02664	44126	AstA-R1	0	0	1	0.0262356	0.990947	0.994546
FBgn00363	39483	SRm160	0	0	1	0.0262217	5.89684	5.91998
FBgn00286	43449	Rpn2	0	0	1	0.0262137	63.3798	63.6314
FBgn00517	34416	Cnot4	0	0	1	0.0261898	46.2428	46.4256
FBgn00141	42356	bnl	0	0	1	0.0261471	3.90963	3.92471
FBgn00275	34069	CG7115	0	0	1	0.0261399	38.8439	38.9959
FBgn00363	39551	upSET	0	0	1	0.0261379	13.9633	14.018
FBgn00513	41865	CG31301	0	0	1	0.0261215	21.8428	21.9274
FBgn00330	35578	CG3409	0	0	1	0.0261049	16.9202	16.986
FBgn02665	19836220	CG45092	0	0	1	0.0261049	16.9202	16.986
FBgn00376	41038	nom	0	0	1	0.02603	9.88612	9.92345

FBgn00283	33469	Taf10	0	0	1	0.0260152	19.3892	19.4617
FBgn00275	41226	CG3909	0	0	1	0.0260106	17.8144	17.8815
FBgn00381	41597	CG7488	0	0	1	0.0259857	17.1871	17.2516
FBgn00007	41118	FER	0	0	1	0.0259618	26.0931	26.192
FBgn00393	43126	CG5890	0	0	1	0.0258438	3.28966	3.30161
FBgn00043	31201	Vinc	0	0	1	0.0258082	10.895	10.9349
FBgn02656	19836171	CG44434	0	0	1	0.0257489	97.7487	98.1055
FBgn02656	19835622	CG44435	0	0	1	0.0257489	97.7487	98.1055
FBgn00103	35991	Map60	0	0	1	0.0257191	4.36873	4.38386
FBgn00308	32678	Rcp	0	0	1	0.0257191	10.9589	10.9978
FBgn00357	38814	CG14834	0	0	1	0.0257191	5.55742	5.57667
FBgn00363	39531	CG13737	0	0	1	0.0257191	0.622535	0.62338
FBgn00524	33144	Cda4	0	0	1	0.0257191	0.618244	0.619802
FBgn02619	10178814	CG42806	0	0	1	0.0257191	28.9147	29.0181
FBgn02636	12798264	CR43631	0	0	1	0.0257191	0.78592	0.786985
FBgn02667	19835063	asRNA:CR4	0	0	1	0.0257191	6.44199	6.46461
FBgn00524	50105	CG32428	0	0	1	0.0256819	22.3275	22.4074
FBgn02655	32846	Bx	0	0	1	0.0256447	5.73165	5.75187
FBgn00393	43043	CG10425	0	0	1	0.0256285	30.0478	30.1541
FBgn02636	36539	Uba3	0	0	1	0.0255171	12.7486	12.7922
FBgn00382	41810	CG14861	0	0	1	0.0254935	60.2293	60.4375
FBgn00307	32622	CG9902	0	0	1	0.025487	3.24841	3.25942
FBgn00385	42146	CG18012	0	0	1	0.0254392	21.1089	21.1806
FBgn00531	36131	CG33144	0	0	1	0.0253829	15.1843	15.2357
FBgn02612	36578	Opa1	0	0	1	0.0253643	35.2698	35.3888
FBgn00400	3355125	CG17490	0	0	1	0.0253057	8.02206	8.04842
FBgn00407	50250	CG14767	0	0	1	0.0252928	111.137	111.507
FBgn00235	31154	Edem1	0	0	1	0.025184	12.7681	12.8094
FBgn00117	32514	Arp6	0	0	1	0.0251568	12.5924	12.6323
FBgn00378	41304	CG6567	0	0	1	0.0251231	22.0375	22.1071
FBgn02607	42283	GatA	0	0	1	0.025119	7.65058	7.67436
FBgn00517	34438	RluA-1	0	0	1	0.025052	9.81511	9.84578
FBgn00339	36623	CG12863	0	0	1	0.0250179	3.82659	3.83768
FBgn00360	39138	CG18178	0	0	1	0.0250065	28.6344	28.7232

FBgn00356	38664	CG10486	0	0	1	0.0249907	3.31003	3.31981
FBgn00390	42721	CG17121	0	0	1	0.0248973	21.0732	21.1368
FBgn00398	43734	CstF50	0	0	1	0.0248565	4.7036	4.71691
FBgn00379	41458	KLHL18	0	0	1	0.0248465	6.59515	6.61459
FBgn02661	8674026	Gyc76C	0	0	1	0.0248425	7.6535	7.67643
FBgn02627	32009	FBgn02627	0	0	1	0.024697	16.1604	16.2075
FBgn00386	42309	CG3773	0	0	1	0.0245986	8.18365	8.20592
FBgn00324	34667	Ref2	0	0	1	0.024585	4.80137	4.81424
FBgn00450	250735	fdl	0	0	1	0.0245703	15.1801	15.2228
FBgn00854	33552	CG34394	0	0	1	0.0245668	18.159	18.2102
FBgn00866	34897	UK114	0	0	1	0.0245641	65.0492	65.231
FBgn02618	35090	CG42750	0	0	1	0.0244962	2.25557	2.26164
FBgn00204	37233	Fak	0	0	1	0.0244403	11.4314	11.4625
FBgn02649	33434	Slh	0	0	1	0.0244373	10.2397	10.2674
FBgn00338	36560	Rcd1	0	0	1	0.0244178	23.0401	23.1026
FBgn00318	33961	Nha1	0	0	1	0.0244116	12.2369	12.2697
FBgn00365	39766	Strumpellir	0	0	1	0.0244052	9.90801	9.93459
FBgn02664	41291	fau	0	0	1	0.0243719	179.38	179.862
FBgn00397	43575	CG15528	0	0	1	0.0243536	4.04165	4.05118
FBgn00515	326146	CG31510	0	0	1	0.024321	15.9293	15.9714
FBgn00426	42169	wrd	0	0	1	0.0242744	21.2162	21.2718
FBgn00026	42761	RpS3	0	0	1	0.0242288	335.029	335.897
FBgn00318	33922	CG13766	0	0	1	0.024177	8.36884	8.38961
FBgn00463	40432	CG7148	0	0	1	0.0241673	13.1183	13.1509
FBgn00373	12798036	CR10991	0	0	1	0.0241206	5.08463	5.09551
FBgn02651	14462459	CR44232	0	0	1	0.0241206	5.57875	5.59068
FBgn02676	26067311	CR45984	0	0	1	0.0241206	1.99637	1.99908
FBgn00249	36130	Mat1	0	0	1	0.0239945	12.7686	12.7985
FBgn00290	33107	Dd	0	0	1	0.02398	13.716	13.7487
FBgn00011	31120	hfw	0	0	1	0.0239353	24.3285	24.3862
FBgn00337	36372	vis	0	0	1	0.023886	13.1927	13.2232
FBgn00392	42955	CG6980	0	0	1	0.0238508	43.0147	43.1136
FBgn00043	37481	HmgD	0	0	1	0.0238038	33	33.0752
FBgn00514	261626	CG31495	0	0	1	0.0237917	3.49428	3.50148

FBgn00343	37098	CG14505	0	0	1	0.023709	18.3852	18.4249
FBgn00514	326139	CG31441	0	0	1	0.023709	3.86518	3.8727
FBgn02619	34764	CG42810	0	0	1	0.023709	37.7573	37.8389
FBgn00039	34420	RpS27A	0	0	1	0.0237016	907.472	909.492
FBgn00137	36491	cnn	0	0	1	0.0236963	31.2622	31.3316
FBgn00271	3885567	Dyrk3	0	0	1	0.0236598	34.3241	34.3993
FBgn02606	38769	Mp	0	0	1	0.023621	5.96097	5.97372
FBgn00302	32027	CG2145	0	0	1	0.0236064	26.9771	27.0348
FBgn00373	40652	CG14669	0	0	1	0.0236023	4.24641	4.2553
FBgn00370	40356	CG11309	0	0	1	0.02358	32.0059	32.074
FBgn00270	35584	Eb1	0	0	1	0.023555	93.0471	93.2445
FBgn00311	33044	CG11710	0	0	1	0.0235349	9.6439	9.66356
FBgn00133	36419	Nmda1	0	0	1	0.0234612	148.406	148.711
FBgn00327	35231	CG10194	0	0	1	0.0233288	11.1684	11.1893
FBgn00369	40264	CG5910	0	0	1	0.0233194	45.8264	45.9152
FBgn00299	31720	CG15333	0	0	1	0.0232924	10.3569	10.3763
FBgn02591	39958	Nedd4	0	0	1	0.0232764	35.2671	35.3351
FBgn00363	39502	Poc1	0	0	1	0.0232279	18.6902	18.7249
FBgn00346	37434	Panx	0	0	1	0.0232161	6.52132	6.53297
FBgn00135	45467	mtd	0	0	1	0.02321	31.0525	31.111
FBgn00303	32151	sicily	0	0	1	0.0231244	6.3644	6.37504
FBgn00385	42143	CG17802	0	0	1	0.0231244	3.43915	3.44463
FBgn02644	14462838	CG43880	0	0	1	0.0231244	15.8538	15.8803
FBgn00044	32275	mew	0	0	1	0.0230406	15.4956	15.5228
FBgn00286	36638	Rpn6	0	0	1	0.0230198	128.911	129.137
FBgn00312	33231	Tspo	0	0	1	0.0229787	105.489	105.67
FBgn00370	40331	ICA69	0	0	1	0.0229492	9.1353	9.1501
FBgn00524	318050	CG32483	0	0	1	0.0229313	8.9134	8.9275
FBgn00357	38749	CG8549	0	0	1	0.0229041	50.4112	50.4943
FBgn00331	35585	CG3420	0	0	1	0.0228708	19.6785	19.7091
FBgn00532	2768903	CG33252	0	0	1	0.0227858	14.2937	14.3148
FBgn00326	35015	CG13280	0	0	1	0.0227291	32.2365	32.2858
FBgn02616	318709	CG42726	0	0	1	0.0226885	3.57774	3.58259
FBgn02616	10178870	CG42727	0	0	1	0.0226885	3.57774	3.58259

FBgn02613	3355134	CG17528	0	0	1	0.0226382	24.2343	24.2702
FBgn00366	39878	CG9674	0	0	1	0.0225711	69.381	69.481
FBgn00115	35096	Acp36DE	0	0	1	0.0225671	329.005	329.479
FBgn00288	34857	CSN1a	0	0	1	0.0225203	40.4168	40.4727
FBgn00325	34859	CG4650	0	0	1	0.022444	0.5769	0.576238
FBgn02667	19835143	CR45237	0	0	1	0.022444	1.60732	1.60547
FBgn00392	42958	Saf-B	0	0	1	0.0223398	22.2029	22.2311
FBgn00226	38717	D19B	0	0	1	0.0222718	4.32892	4.33375
FBgn00397	43557	CG11504	0	0	1	0.0222414	5.31861	5.32432
FBgn00275	39850	spd-2	0	0	1	0.0222217	4.88841	4.8939
FBgn00524	40310	CG32432	0	0	1	0.0222063	7.51714	7.52578
FBgn00388	42449	Nep4	0	0	1	0.0221958	18.0926	18.1137
FBgn00346	37464	CG10321	0	0	1	0.0221525	12.4217	12.4356
FBgn02618	10178950	pre-mod(m	0	0	1	0.0221466	7.88157	7.8903
FBgn00503	246549	CG30339	0	0	1	0.022144	13.0471	13.0607
FBgn00396	43408	CG14529	0	0	1	0.0221396	9.28193	9.2919
FBgn00382	41719	twf	0	0	1	0.0221073	17.2857	17.3041
FBgn02509	33461	Pgk	0	0	1	0.0220827	47.3054	47.3571
FBgn00309	32854	CG6659	0	0	1	0.0220806	9.51404	9.52414
FBgn00117	32623	Arp2	0	0	1	0.0219991	42.9479	42.9923
FBgn00376	41055	CG9839	0	0	1	0.0218415	6.08031	6.08537
FBgn02639	14462594	asRNA:CR4	0	0	1	0.0218401	44.0287	44.069
FBgn00321	34335	CG13127	0	0	1	0.0217502	6.60446	6.6097
FBgn00257	40461	Srpk79D	0	0	1	0.0217126	24.2019	24.2223
FBgn00520	317815	anne	0	0	1	0.0216473	56.8559	56.9014
FBgn00049	47878	Eip63F-1	0	0	1	0.0216472	17.7507	17.7646
FBgn00275	36302	CG8878	0	0	1	0.0216165	14.8543	14.8655
FBgn00377	41206	CG8516	0	0	1	0.0215901	9.35061	9.35735
FBgn00326	35122	CG10336	0	0	1	0.0215746	1.65347	1.6537
FBgn00328	35344	CG9328	0	0	1	0.0215443	14.5256	14.5357
FBgn02640	41084	tgo	0	0	1	0.0215069	9.63568	9.64203
FBgn00383	41869	CG5044	0	0	1	0.0214338	57.1652	57.2019
FBgn00320	34124	CG8349	0	0	1	0.0213809	50.8189	50.8488
FBgn02673	34386	l(2)SH0834	0	0	1	0.0213274	30.6883	30.7046

FBgn00409	50459	CG6115	0	0	1	0.0212997	186.413	186.516
FBgn00382	41739	CG3259	0	0	1	0.0212801	0.920348	0.920085
FBgn00265	43565	Axn	0	0	1	0.0212501	9.0978	9.10232
FBgn00358	38933	CG7194	0	0	1	0.0212392	12.1819	12.1872
FBgn00034	32601	sl	0	0	1	0.0212286	4.64749	4.64962
FBgn00320	34202	CG12438	0	0	1	0.0210593	26.6041	26.6131
FBgn02507	43754	CG42233	0	0	1	0.0210162	5.08993	5.09132
FBgn00395	43291	mrt	0	0	1	0.0210144	13.9838	13.9884
FBgn00356	38655	kri	0	0	1	0.0210006	24.4913	24.4988
FBgn02673	7354404	Yeti	0	0	1	0.0209908	70.0811	70.1045
FBgn00387	42401	CG17199	0	0	1	0.0209513	16.8832	16.8877
FBgn00373	40725	dgrn	0	0	1	0.0209141	13.6227	13.6258
FBgn02834	26067076	CG46277	0	0	1	0.0209084	8.22554	8.22729
FBgn00102	40517	alpha-Cat	0	0	1	0.0208835	45.725	45.7371
FBgn00297	31415	CG12682	0	0	1	0.0208472	7.27498	7.27513
FBgn02508	7354398	CG42238	0	0	1	0.0208311	8.87429	8.87603
FBgn00394	43197	plum	0	0	1	0.0207382	2.50965	2.50989
FBgn00231	35746	rnh1	0	0	1	0.0206835	27.7564	27.7589
FBgn00388	42462	CG17270	0	0	1	0.0206835	6.67603	6.67588
FBgn00339	36603	CG17385	0	0	1	0.0206529	18.1276	18.1288
FBgn00334	35984	CG1814	0	0	1	0.0206338	30.1283	30.1306
FBgn00376	41056	hng2	0	0	1	0.020605	10.8278	10.8274
FBgn00316	33651	CG15439	0	0	1	0.0205191	1.86767	1.86728
FBgn00402	53586	Dhap-at	0	0	1	0.0205153	12.9288	12.9287
FBgn00044	36384	Galphaq	0	0	1	0.0204459	42.5912	42.5897
FBgn00045	33218	ex	0	0	1	0.020396	10.7192	10.7183
FBgn00027	37894	Rpn8	0	0	1	0.0202803	59.933	59.9234
FBgn02666	33563	Sec5	0	0	1	0.0202762	9.61905	9.61714
FBgn02639	14462624	asRNA:CR4	0	0	1	0.0202513	17.4097	17.4047
FBgn00853	5740668	CG34347	0	0	1	0.020188	1.80008	1.7995
FBgn00334	36028	CG1513	0	0	1	0.0201776	34.5486	34.5408
FBgn00104	46017	l(2)01289	0	0	1	0.0201569	19.092	19.0875
FBgn00336	36258	ths	0	0	1	0.0200535	3.63998	3.63871
FBgn00378	41308	CG6574	0	0	1	0.0200485	12.3727	12.3681

FBgn02609	43508	yata	0	0	1	0.0200456	13.8712	13.8666
FBgn02616	53567	larp	0	0	1	0.0200453	31.0851	31.0754
FBgn00399	3885565	PIP4K	0	0	1	0.0200348	65.8381	65.8164
FBgn00408	50296	dpr6	0	0	1	0.0200004	1.42733	1.42662
FBgn00397	43530	CG7824	0	0	1	0.0199544	9.16328	9.15871
FBgn02599	8674033	CG42456	0	0	1	0.0198346	38.0278	38.01
FBgn00531	318892	CG33125	0	0	1	0.0197567	29.7276	29.7122
FBgn00529	318274	CG32988	0	0	1	0.0197258	14.2219	14.2127
FBgn00368	40083	MESR6	0	0	1	0.0196905	10.9767	10.9698
FBgn00359	39055	Slc45-1	0	0	1	0.0196116	13.8907	13.8818
FBgn02658	19835200	CR44593	0	0	1	0.0195843	1.97912	1.97685
FBgn00339	36565	eIF3m	0	0	1	0.0195762	160.701	160.599
FBgn00002	36571	cg	0	0	1	0.0195167	18.1877	18.1752
FBgn00288	34886	CG15270	0	0	1	0.0194779	3.19382	3.19134
FBgn00332	35713	U2A	0	0	1	0.0194601	3.33346	3.32963
FBgn00354	38411	CG12016	0	0	1	0.019405	37.7273	37.6984
FBgn02635	45012	Vha68-2	0	0	1	0.0193792	228.197	228.021
FBgn02679	35509	ap	0	0	1	0.0193433	12.4357	12.4255
FBgn00356	38691	CG6602	0	0	1	0.0192864	73.0593	72.9974
FBgn00316	33732	CG9121	0	0	1	0.0192555	25.7188	25.6963
FBgn00325	34745	CG6523	0	0	1	0.0192522	60.0981	60.0449
FBgn02627	36544	AGO1	0	0	1	0.0192474	29.5164	29.4908
FBgn00390	42747	CG4467	0	0	1	0.0192201	11.7962	11.7856
FBgn00103	34924	CycE	0	0	1	0.0191478	2.65008	2.64733
FBgn00518	318990	Qtzl	0	0	1	0.0191236	23.4825	23.4587
FBgn00114	41851	l(3)neo43	0	0	1	0.0189974	20.4004	20.377
FBgn00613	3772247	CG33671	0	0	1	0.0189785	21.9807	21.957
FBgn00613	3771915	CG33672	0	0	1	0.0189785	21.9807	21.957
FBgn00517	326161	CG31793	0	0	1	0.0189161	11.1287	11.1163
FBgn00540	3885660	CG34051	0	0	1	0.0188688	228.007	227.749
FBgn00117	34222	rost	0	0	1	0.0188327	18.6209	18.5987
FBgn00337	36401	wuc	0	0	1	0.0188327	7.73918	7.72825
FBgn00352	38242	CNMa	0	0	1	0.0188327	1.15617	1.15407
FBgn00355	38502	Teh2	0	0	1	0.0188327	11.4965	11.4829

FBgn00356	38681	CG6462	0	0	1	0.0188327	0.490098	0.488179
FBgn00360	39135	CG16711	0	0	1	0.0188327	12.3746	12.3602
FBgn00364	39637	EAChm	0	0	1	0.0188327	4.89875	4.89128
FBgn00393	43040	Nup37	0	0	1	0.0188327	1.79032	1.78707
FBgn00502	246521	CG30274	0	0	1	0.0188327	0.956183	0.954579
FBgn00528	318221	CG32808	0	0	1	0.0188327	2.06653	2.06278
FBgn00278	35053	Aac11	0	0	1	0.018728	57.378	57.3074
FBgn00374	40851	CG10098	0	0	1	0.0187271	13.0321	13.0152
FBgn02615	31826	rdgA	0	0	1	0.0187046	11.4165	11.4023
FBgn00520	326192	CG32075	0	0	1	0.0186806	7.08321	7.07359
FBgn00332	35784	Nup50	0	0	1	0.0186598	12.7878	12.7709
FBgn00421	59150	CG18766	0	0	1	0.0185843	13.9643	13.945
FBgn02599	8673998	CR42491	0	0	1	0.0185743	546.788	546.061
FBgn00270	40063	CSN1b	0	0	1	0.0185395	27.9609	27.9223
FBgn02637	14462441	CR43685	0	0	1	0.0185395	11.5842	11.5674
FBgn00349	37807	CG2970	0	0	1	0.0185308	41.2991	41.242
FBgn00323	34551	CG4751	0	0	1	0.0185011	5.21053	5.20306
FBgn00308	32716	CG8675	0	0	1	0.018486	5.65998	5.65075
FBgn02647	42827	CG43999	0	0	1	0.0184694	20.0332	20.0039
FBgn00031	35058	qua	0	0	1	0.0184325	38.9454	38.8895
FBgn00828	41524	pps	0	0	1	0.0184216	10.6805	10.665
FBgn00046	45973	fs(1)N	0	0	1	0.018378	3.52389	3.51851
FBgn00256	31169	CG4313	0	0	1	0.0183551	3.24906	3.24371
FBgn00320	34188	CG13091	0	0	1	0.0183338	263.93	263.536
FBgn00152	31022	RpL22	0	0	1	0.0182975	473.394	472.675
FBgn02643	14462411	CG43843	0	0	1	0.0182864	3.13506	3.12907
FBgn00034	39581	stwl	0	0	1	0.0182629	5.97963	5.97008
FBgn00540	3885570	CG34015	0	0	1	0.0181945	16.6652	16.6363
FBgn00338	36530	CG6337	0	0	1	0.0181761	13.7446	13.7216
FBgn00678	44100	Patj	0	0	1	0.0181606	9.53055	9.51473
FBgn00205	44079	Ag5r2	0	0	1	0.0180954	16.8346	16.805
FBgn00275	43095	Tnks	0	0	1	0.0180783	6.11785	6.10737
FBgn02679	42306	vib	0	0	1	0.0180421	25.4381	25.3946
FBgn00376	41067	skap	0	0	1	0.0180317	259.959	259.516

FBgn02624	33711	Scox	0	0	1	0.0180247	30.1038	30.051
FBgn00370	40361	CG7324	0	0	1	0.0179784	52.6799	52.5879
FBgn02667	19836234	asRNA:CR4	0	0	1	0.0179566	19.3991	19.3642
FBgn00289	44785	tant	0	0	1	0.0179259	29.5015	29.4482
FBgn00394	43270	CG6059	0	0	1	0.0178778	28.2385	28.1869
FBgn00298	31520	CG16721	0	0	1	0.0178758	43.3647	43.2856
FBgn00308	32770	CG6769	0	0	1	0.0178713	7.10032	7.08649
FBgn00354	38466	CG14983	0	0	1	0.0178713	7.19215	7.17667
FBgn00379	41473	dpr15	0	0	1	0.0178713	1.88033	1.8765
FBgn00421	59142	CG18746	0	0	1	0.0178713	2.93587	2.92955
FBgn02675	26067213	asRNA:CR4	0	0	1	0.0178713	14.6602	14.6322
FBgn00343	37147	SP2637	0	0	1	0.0178536	29.8409	29.7857
FBgn00326	35021	CG13284	0	0	1	0.0177826	32.1088	32.0481
FBgn02618	37414	Xpd	0	0	1	0.0177826	4.3047	4.2961
FBgn00514	318751	CG31467	0	0	1	0.0177704	18.7621	18.7259
FBgn00314	33465	Tnpo-SR	0	0	1	0.0177462	5.95523	5.94351
FBgn00350	37977	CG16896	0	0	1	0.017699	8.40392	8.38723
FBgn00650	3771786	snoRNA:Psi	0	0	1	0.0176657	256.782	256.271
FBgn00364	39573	CG7768	0	0	1	0.0176354	287.839	287.268
FBgn02647	14462822	CR43988	0	0	1	0.0175452	2.40714	2.40001
FBgn00265	38452	Fie	0	0	1	0.0175354	45.7766	45.682
FBgn02709	34292	zf30C	0	0	1	0.0175093	13.3987	13.3706
FBgn02666	19835848	asRNA:CR4	0	0	1	0.0175042	29.9529	29.8884
FBgn00208	48071	Su(z)12	0	0	1	0.0174917	6.52756	6.51365
FBgn02606	33501	gammaTub	0	0	1	0.0174681	15.0456	15.0133
FBgn00042	39677	mex1	0	0	1	0.0174153	45.2114	45.1139
FBgn00209	36408	Dgkepsilon	0	0	1	0.0173747	20.8895	20.8437
FBgn00275	49953	GCS2alpha	0	0	1	0.0173601	67.0432	66.8975
FBgn00358	38904	CG7504	0	0	1	0.0173262	5.22825	5.21654
FBgn00500	246418	Tmem18	0	0	1	0.0171691	22.5003	22.4464
FBgn00322	34483	CG12299	0	0	1	0.0171336	2.62104	2.6145
FBgn00020	35235	swm	0	0	1	0.017106	14.9667	14.9313
FBgn00372	40594	CG14655	0	0	1	0.017106	6.85731	6.84055
FBgn02655	19836020	CR44413	0	0	1	0.017106	8.20599	8.18425

FBgn00104	32607	TH1	0	0	1	0.0170536	13.9457	13.9118
FBgn00260	45064	Nsun2	0	0	1	0.017027	6.21211	6.19661
FBgn00006	32567	exd	0	0	1	0.0169871	41.592	41.4907
FBgn00175	39858	Mo25	0	0	1	0.0168206	45.1564	45.0411
FBgn00851	5740394	CG34164	0	0	1	0.0168044	22.9236	22.8642
FBgn00434	192509	CG12084	0	0	1	0.0167959	17.1501	17.1059
FBgn00105	36252	wal	0	0	1	0.01677	71.9907	71.8044
FBgn00503	35934	Prp38	0	0	1	0.016684	9.02087	8.99585
FBgn00504	246593	dany	0	0	1	0.0165977	2.98401	2.97478
FBgn00303	32125	Tango10	0	0	1	0.0165548	11.1329	11.1021
FBgn00049	40607	Gnf1	0	0	1	0.0165263	21.2584	21.1996
FBgn02616	36396	GLS	0	0	1	0.0165031	35.6278	35.5292
FBgn00531	326329	CG33199	0	0	1	0.016441	89.9013	89.6484
FBgn00314	33515	CG17219	0	0	1	0.0164202	5.57019	5.5533
FBgn00332	35741	CG12159	0	0	1	0.0164202	33.5009	33.4052
FBgn00500	36345	Cpr49Ab	0	0	1	0.0164202	8.19185	8.16701
FBgn00278	37080	Dgp-1	0	0	1	0.0163039	21.3818	21.3193
FBgn00324	34696	CG12404	0	0	1	0.016212	29.3732	29.285
FBgn00002	36329	Cam	0	0	1	0.0161328	216.96	216.306
FBgn02607	34377	Utx	0	0	1	0.0160567	12.7452	12.7058
FBgn02651	37978	Atf-2	0	0	1	0.0160462	16.2841	16.2329
FBgn00517	318909	CG31715	0	0	1	0.0160421	44.3467	44.2076
FBgn00384	42004	Sdhaf3	0	0	1	0.0160177	15.9148	15.8624
FBgn00025	45325	lin	0	0	1	0.0159545	5.41825	5.40083
FBgn00854	31953	CG34408	0	0	1	0.0159464	9.75764	9.72674
FBgn00341	36850	CG4945	0	0	1	0.0159044	6.28469	6.26417
FBgn02647	14462408	asRNA:CR4	0	0	1	0.0158713	7.835	7.80717
FBgn00358	38881	CG8111	0	0	1	0.0158224	8.36273	8.33459
FBgn00362	39402	Pbgs	0	0	1	0.01582	22.58	22.5062
FBgn00324	34625	RpL7-like	0	0	1	0.0158173	22.6578	22.5837
FBgn00312	33227	Spp	0	0	1	0.0158109	52.3616	52.1912
FBgn02649	36658	Pcf11	0	0	1	0.0158006	20.8683	20.8004
FBgn00117	36280	RnrS	0	0	1	0.0156475	15.3957	15.3432
FBgn00370	40291	CG4042	0	0	1	0.0156337	13.5099	13.4631

FBgn02674	35091	Ptp36E	0	0	1	0.0154712	12.6492	12.6049
FBgn00519	33158	Cda5	0	0	1	0.0154384	6.11369	6.09218
FBgn00500	246409	CG30037	0	0	1	0.0154288	5.35282	5.33298
FBgn00296	31314	CG10801	0	0	1	0.0153819	11.4833	11.4418
FBgn00381	41598	CG17327	0	0	1	0.0153819	23.7222	23.6366
FBgn02650	14462463	CG44194	0	0	1	0.0153819	23.7222	23.6366
FBgn00378	41274	CG6465	0	0	1	0.0153772	26.6354	26.54
FBgn00395	43382	mIF2	0	0	1	0.015324	3.99527	3.98031
FBgn00403	31038	MED22	0	0	1	0.015324	14.9657	14.9096
FBgn00104	46020	NAT1	0	0	1	0.0153132	87.2533	86.9406
FBgn00285	34964	c(2)M	0	0	1	0.0152967	2.10209	2.09386
FBgn00261	43916	Rok	0	0	1	0.0152775	12.1543	12.1103
FBgn00366	39804	CG13040	0	0	1	0.0152648	10.8365	10.7963
FBgn00519	43777	CG31999	0	0	1	0.0152504	24.8036	24.7132
FBgn00378	41303	CG4565	0	0	1	0.0152124	6.71083	6.68456
FBgn00515	40884	nxf4	0	0	1	0.015204	21.552	21.4718
FBgn00047	45976	retn	0	0	1	0.015176	8.64569	8.61357
FBgn00374	40852	CG10068	0	0	1	0.0151737	15.6737	15.6152
FBgn00037	31228	tko	0	0	1	0.015154	4.3034	4.28656
FBgn00376	41033	CG8112	0	0	1	0.015154	6.17508	6.1516
FBgn00403	31270	CG32795	0	0	1	0.0151372	21.5163	21.436
FBgn00115	37047	Elk	0	0	1	0.0151207	2.86848	2.85754
FBgn00134	39228	klu	0	0	1	0.015111	1.65377	1.6473
FBgn00363	39458	CG10960	0	0	1	0.0150786	90.2217	89.8835
FBgn00020	35184	Lim3	0	0	1	0.0150782	2.098	2.08979
FBgn02666	19835439	asRNA:CR4	0	0	1	0.0150782	10.5518	10.5114
FBgn00322	34440	RluA-2	0	0	1	0.0150221	5.77405	5.75144
FBgn00116	33529	Mad	0	0	1	0.0149048	17.6603	17.5916
FBgn00206	33974	SA	0	0	1	0.0148308	12.2046	12.1564
FBgn00253	31103	Rab27	0	0	1	0.0148308	0.320025	0.317788
FBgn00309	32856	CG6696	0	0	1	0.0148308	1.03194	1.02636
FBgn00369	40181	CG14182	0	0	1	0.0148308	5.60443	5.581
FBgn00383	41929	CG14877	0	0	1	0.0148308	1.05356	1.0484
FBgn00501	37595	CG30196	0	0	1	0.0148308	5.2698	5.24607

FBgn02653	19835550	CR44273	0	0	1	0.0148308	0.555514	0.551632
FBgn02667	19835724	CR45224	0	0	1	0.0148308	1.24107	1.23435
FBgn00260	31363	tyf	0	0	1	0.0147781	11.0586	11.0147
FBgn00243	42253	Mekk1	0	0	1	0.0147722	12.5695	12.5196
FBgn02647	19836181	CG43998	0	0	1	0.0147326	19.6211	19.5416
FBgn02618	36612	Asx	0	0	1	0.0147051	12.3611	12.3114
FBgn00299	31721	CG2233	0	0	1	0.0146456	1829.18	1821.79
FBgn00376	41045	CG8223	0	0	1	0.0146443	15.8965	15.8316
FBgn00531	318918	Kdm4B	0	0	1	0.0146038	16.015	15.9496
FBgn00258	41414	l-t	0	0	1	0.0145979	64.7044	64.439
FBgn00330	35547	eIF3f2	0	0	1	0.0145209	20.5631	20.4767
FBgn00867	35865	stmA	0	0	1	0.0144957	28.271	28.1533
FBgn00277	34997	VhaSFD	0	0	1	0.0144914	125.331	124.811
FBgn00854	5740593	ND-MWFE	0	0	1	0.0144777	59.7973	59.5469
FBgn02597	8673992	Nost	0	0	1	0.014441	7.22295	7.19249
FBgn00519	326176	CG31933	0	0	1	0.014398	12.3897	12.3368
FBgn00266	32513	MagR	0	0	1	0.0143889	32.1747	32.0369
FBgn00329	35390	Mcm10	0	0	1	0.0143593	3.34271	3.32799
FBgn00375	40985	CG11694	0	0	1	0.0143593	5.026	5.00304
FBgn00329	35375	CG9257	0	0	1	0.0143503	17.6103	17.5345
FBgn00393	43104	CLS	0	0	1	0.014313	27.3644	27.2465
FBgn00369	40163	Fibp	0	0	1	0.0142999	13.5791	13.52
FBgn00359	39025	CG5021	0	0	1	0.0142608	39.5119	39.3403
FBgn00033	43944	sbr	0	0	1	0.0142467	33.7324	33.5863
FBgn00302	32075	CG1738	0	0	1	0.0142235	4.55903	4.53733
FBgn00361	39254	Ufd1-like	0	0	1	0.0142008	59.2462	58.9872
FBgn00660	251466	RpL41	0	0	1	0.0141582	1905.71	1897.36
FBgn00266	36405	Taz	0	0	1	0.0141147	25.7601	25.6458
FBgn00284	37707	CG3530	0	0	1	0.0140967	12.3092	12.2544
FBgn02834	45970	S6KL	0	0	1	0.0140497	13.7751	13.713
FBgn00104	36985	RpL18A	0	0	1	0.0140308	443.154	441.172
FBgn00391	42872	CG5510	0	0	1	0.0140043	37.6063	37.4365
FBgn00319	34090	Wwox	0	0	1	0.0139779	6.94239	6.91009
FBgn00364	39579	CG13481	0	0	1	0.0139378	28.6589	28.5271

FBgn00234	34531	Acp32CD	0	0	1	0.0139021	140.853	140.21
FBgn00218	48387	l(2)k14710	0	0	1	0.0138773	17.457	17.3767
FBgn00310	33002	Nup205	0	0	1	0.0137946	2.65602	2.64349
FBgn00351	38093	Sf3b3	0	0	1	0.0137826	25.051	24.9344
FBgn00323	34581	spag4	0	0	1	0.0137618	1.88606	1.87585
FBgn02616	10178859	CG42728	0	0	1	0.0137618	7.18056	7.14445
FBgn00421	59216	CG32165	0	0	1	0.0137275	50.9287	50.6901
FBgn00866	3771768	snoRNA:Psi	0	0	1	0.013694	231.335	230.238
FBgn00307	2768881	CG9132	0	0	1	0.0136567	23.4944	23.3828
FBgn00335	36143	CG12343	0	0	1	0.0136567	33.1507	32.9925
FBgn00624	36253	CG13197	0	0	1	0.0136284	16.4161	16.3378
FBgn02607	3355143	p120ctn	0	0	1	0.0136222	54.2669	54.0086
FBgn00227	32792	Taf8	0	0	1	0.0136066	5.41202	5.3851
FBgn00358	38869	CG13685	0	0	1	0.0136066	3.39675	3.3801
FBgn00366	39914	Papst2	0	0	1	0.0135606	9.0358	8.9915
FBgn00335	36129	CG7220	0	0	1	0.013548	95.2817	94.8238
FBgn02618	41339	cu	0	0	1	0.0135255	18.3696	18.2807
FBgn00379	41374	CG6744	0	0	1	0.0134755	15.1958	15.1213
FBgn00026	38669	Rcc1	0	0	1	0.0134674	18.6592	18.568
FBgn00510	43116	CG31093	0	0	1	0.0134651	19.4884	19.3911
FBgn00041	49260	Pp1-87B	0	0	1	0.0133718	114.458	113.894
FBgn00345	37317	CG13428	0	0	1	0.0132946	45.1136	44.8859
FBgn00359	39024	CG5653	0	0	1	0.0132661	11.67	11.6107
FBgn00364	39667	CG13455	0	0	1	0.0132514	39.9203	39.7195
FBgn00358	38857	CG7506	0	0	1	0.0132319	22.8273	22.7108
FBgn00351	38037	pyx	0	0	1	0.0132244	8.57015	8.52671
FBgn00333	35930	Hydr1	0	0	1	0.0132162	37.765	37.5746
FBgn00522	317942	CG32259	0	0	1	0.0131551	22.576	22.4596
FBgn00466	3355135	Stlk	0	0	1	0.0131245	26.4296	26.2942
FBgn00500	36334	CG30046	0	0	1	0.0130823	6.39756	6.36428
FBgn00153	34487	Ubc2	0	0	1	0.0130525	33.9556	33.7804
FBgn00335	36105	Cyp49a1	0	0	1	0.0130396	9.6582	9.6079
FBgn00334	36022	Ntmt	0	0	1	0.0130326	29.4174	29.2643
FBgn02663	37741	Pde8	0	0	1	0.0130276	8.91494	8.86876

FBgn00319	34105	CG8673	0	0	1	0.01298	15.4283	15.3471
FBgn00036	31716	sws	0	0	1	0.0129654	33.6775	33.5021
FBgn00305	32330	CG9941	0	0	1	0.0129367	12.0945	12.0308
FBgn00373	40718	CG1218	0	0	1	0.0129295	8.55445	8.5087
FBgn00394	43216	CG6425	0	0	1	0.0129098	4.40723	4.38339
FBgn00326	35064	CG15145	0	0	1	0.0128909	14.4271	14.3508
FBgn02677	43862	HnRNP-K	0	0	1	0.0128837	30.2833	30.1235
FBgn00341	36857	CG8306	0	0	1	0.0128257	38.2199	38.0167
FBgn00355	38575	CG12493	0	0	1	0.0128231	54.902	54.6097
FBgn00249	40934	Taf7	0	0	1	0.0128181	9.78949	9.73688
FBgn00349	37838	MAN1	0	0	1	0.0128153	30.3416	30.18
FBgn00358	38932	CG13671	0	0	1	0.012802	7.22629	7.1872
FBgn00342	36948	CG6568	0	0	1	0.0127084	13.2038	13.1319
FBgn00015	33118	Hlc	0	0	1	0.0126797	32.3271	32.1519
FBgn00300	31809	CG2004	0	0	1	0.012663	19.7717	19.664
FBgn00364	39600	CG13474	0	0	1	0.012663	3.65744	3.63481
FBgn00304	32297	CG1673	0	0	1	0.0125547	21.071	20.9548
FBgn00532	2768946	CG33278	0	0	1	0.0125142	17.6584	17.5598
FBgn00235	46717	arg	0	0	1	0.0124146	7.40465	7.36205
FBgn00368	40084	CNPYb	0	0	1	0.0124146	20.834	20.7165
FBgn00387	42393	CG4936	0	0	1	0.0124146	5.04604	5.01701
FBgn00049	34430	TfIIB	0	0	1	0.0123927	29.0721	28.9084
FBgn02618	10178816	pre-mod(m	0	0	1	0.012392	7.83066	7.78647
FBgn02625	40127	Ltn1	0	0	1	0.0122482	28.1256	27.9651
FBgn00360	39204	CG8009	0	0	1	0.0121648	10.6329	10.5699
FBgn00307	32582	Mfe2	0	0	1	0.012142	44.7339	44.4752
FBgn02656	42457	Prosalpha4	0	0	1	0.0121289	12.0152	11.944
FBgn00291	44497	Tollo	0	0	1	0.0120859	2.47461	2.46002
FBgn00532	2768990	Muc68E	0	0	1	0.0120716	28.8385	28.6704
FBgn00372	40563	eIF3a	0	0	1	0.0120544	43.5532	43.2989
FBgn00345	37325	Nnf1a	0	0	1	0.0120507	8.1952	8.14507
FBgn00377	41148	CG9386	0	0	1	0.0120507	6.78333	6.7428
FBgn02591	32196	CG42258	0	0	1	0.0119634	18.5132	18.4037
FBgn00005	35540	EcR	0	0	1	0.0119548	3.74524	3.72299

FBgn00306	32517	CG8944	0	0	1	0.0119502	4.80063	4.77194
FBgn00395	43387	CG10011	0	0	1	0.0119133	7.04293	7.001
FBgn00387	42357	CG4662	0	0	1	0.0119029	26.7012	26.5421
FBgn00300	31795	Trf4-1	0	0	1	0.0118405	7.10463	7.06196
FBgn00314	33504	CG9643	0	0	1	0.0118336	10.9896	10.9221
FBgn02659	19835973	asRNA:CR4	0	0	1	0.0118336	8.13565	8.08564
FBgn00369	40188	Gabat	0	0	1	0.0117834	45.863	45.5864
FBgn00320	34129	CG14277	0	0	1	0.0116966	25.8517	25.6927
FBgn00361	39215	NijA	0	0	1	0.0116762	14.1702	14.0825
FBgn00532	3885664	CG33258	0	0	1	0.0116665	239.875	238.411
FBgn00103	36615	LamC	0	0	1	0.0116476	16.5818	16.4798
FBgn00302	32022	CG15208	0	0	1	0.011543	66.7046	66.2913
FBgn00378	41337	CG18577	0	0	1	0.0115332	7.48375	7.43546
FBgn00852	5740281	CG34219	0	0	1	0.0115332	5.4562	5.42099
FBgn00270	42000	CSN5	0	0	1	0.0114819	28.3878	28.2098
FBgn00388	42505	CG5793	0	0	1	0.0114819	20.7911	20.6607
FBgn00004	32078	dsh	0	0	1	0.0114316	14.0695	13.9809
FBgn00853	5740528	CG34354	0	0	1	0.0113933	4.5007	4.47206
FBgn00308	32745	IntS2	0	0	1	0.0113638	8.41475	8.36126
FBgn00335	36138	CG7222	0	0	1	0.0113634	54.0498	53.708
FBgn00376	41116	CG18473	0	0	1	0.0113372	32.3615	32.1556
FBgn00375	40923	CG18268	0	0	1	0.0113205	19.0685	18.9466
FBgn00295	31049	CG14631	0	0	1	0.0113034	4.24168	4.21204
FBgn00521	12797932	CR32194	0	0	1	0.0113034	4.5047	4.47515
FBgn00140	39651	Pdi	0	0	1	0.0112985	321.269	319.228
FBgn00523	38142	CG32333	0	0	1	0.0112737	2.43394	2.41819
FBgn02679	32739	corolla	0	0	1	0.0112662	25.2277	25.0662
FBgn00286	36387	spt4	0	0	1	0.0112458	17.6453	17.5291
FBgn00303	2768871	CG33235	0	0	1	0.0112458	8.04112	7.98945
FBgn00374	40846	Dpck	0	0	1	0.0112046	15.4549	15.354
FBgn00341	36930	CG15611	0	0	1	0.0111983	22.6847	22.5382
FBgn00141	33781	Hel25E	0	0	1	0.0111949	27.9309	27.7509
FBgn00324	34627	firl	0	0	1	0.0111949	3.30673	3.28487
FBgn00001	31002	Appl	0	0	1	0.0111608	27.1444	26.9692

FBgn02596	32576	CG42353	0	0	1	0.0111495	40.8806	40.6166
FBgn02597	7354437	CG42354	0	0	1	0.0110724	39.735	39.4762
FBgn00351	38099	cep290	0	0	1	0.0110299	5.55614	5.51958
FBgn00421	59172	Capr	0	0	1	0.0110034	32.0048	31.7947
FBgn00116	43087	msi	0	0	1	0.0109645	6.22142	6.18034
FBgn00027	32114	Met	0	0	1	0.0109563	5.54164	5.50483
FBgn00005	39393	Est-P	0	0	1	0.0108917	2.58889	2.5708
FBgn02603	40217	Su(var)3-3	0	0	1	0.0108917	4.91771	4.88467
FBgn02630	12798545	CR43334	0	0	1	0.0108917	0.291263	0.289227
FBgn00382	41768	CG7987	0	0	1	0.01086	18.5755	18.4516
FBgn00305	32328	Nadsyn	0	0	1	0.0108298	10.0326	9.96526
FBgn02596	32191	Pkcdelta	0	0	1	0.0106785	13.3291	13.2386
FBgn00399	43786	Zip102B	0	0	1	0.0106762	38.1107	37.8519
FBgn00387	42354	CG11407	0	0	1	0.0106679	26.6564	26.4746
FBgn00372	40529	CG14641	0	0	1	0.0106576	26.3131	26.1334
FBgn00369	40236	Spn77Bc	0	0	1	0.0106397	219.653	218.157
FBgn00403	40033	GNBP2	0	0	1	0.0105392	18.6921	18.5626
FBgn00029	41678	ninaB	0	0	1	0.0105182	7.40138	7.34966
FBgn00290	45268	cathD	0	0	1	0.0105036	280.795	278.857
FBgn00382	41727	CG9649	0	0	1	0.0104919	22.8069	22.6485
FBgn00357	38818	pst	0	0	1	0.010418	230.363	228.76
FBgn00019	48782	Mtr4	0	0	1	0.0103712	8.22951	8.17154
FBgn00300	31735	CG2116	0	0	1	0.0103712	9.88459	9.81469
FBgn00367	39947	CG18265	0	0	1	0.0103712	0.506776	0.503051
FBgn00376	41121	CG8132	0	0	1	0.0103712	23.3846	23.2196
FBgn00503	246588	CG30393	0	0	1	0.0103712	50.1936	49.8415
FBgn00538	3772556	His2A:CG33	0	0	1	0.0103712	1.9741	1.95701
FBgn02614	12797925	scaRNA:Me	0	0	1	0.0103712	10.0255	9.94439
FBgn02656	19835575	CR44441	0	0	1	0.0103712	1.26069	1.25049
FBgn02662	19836241	CR44900	0	0	1	0.0103712	4.26261	4.2305
FBgn00374	40841	CG1105	0	0	1	0.0103262	29.231	29.0249
FBgn00379	41384	CG10898	0	0	1	0.0102663	11.4107	11.3293
FBgn00342	37058	CG10911	0	0	1	0.0102116	1065.83	1058.26
FBgn02674	26067145	asRNA:CR4	0	0	1	0.0101894	13.1153	13.0203

FBgn00004	41095	D1	0	0	1	0.0101846	40.4284	40.1398
FBgn00002	44801	bsk	0	0	1	0.0101604	38.83	38.5522
FBgn00329	35365	CG9272	0	0	1	0.010146	7.7047	7.64846
FBgn00308	32768	CG6762	0	0	1	0.0101084	7.85414	7.7964
FBgn02604	41552	Not10	0	0	1	0.0101009	7.9647	7.90681
FBgn00107	39212	simj	0	0	1	0.0100969	6.69979	6.65139
FBgn00342	36957	Lhr	0	0	1	0.010033	5.85155	5.80793
FBgn00287	43130	Lnk	0	0	1	0.0099764	12.5401	12.4485
FBgn00336	36276	exp	0	0	1	0.0099764	1.31302	1.30313
FBgn00153	38288	oxt	0	0	1	0.00994678	9.86393	9.79164
FBgn00358	38914	MED24	0	0	1	0.00994519	13.8468	13.7455
FBgn00393	43080	XNP	0	0	1	0.00986946	22.0709	21.9087
FBgn00305	32327	CG11158	0	0	1	0.0098015	7.71252	7.65458
FBgn00322	34380	CYLD	0	0	1	0.00975697	73.8895	73.3412
FBgn00352	38195	CG13928	0	0	1	0.00975159	30.9129	30.6831
FBgn00386	42302	CG5555	0	0	1	0.00973771	38.837	38.5479
FBgn00531	37583	CG33143	0	0	1	0.00967783	4.195	4.16339
FBgn00302	32017	CG2186	0	0	1	0.00964452	5.01667	4.97887
FBgn02627	12798284	MRE23	0	0	1	0.00963939	2.4114	2.39302
FBgn00306	32506	Pis	0	0	1	0.00962786	67.261	66.7555
FBgn00366	39881	TSG101	0	0	1	0.00962645	120.849	119.941
FBgn02508	4379865	BG642167	0	0	1	0.00962562	173.067	171.764
FBgn00044	38122	LysX	0	0	1	0.00960985	65.9174	65.4193
FBgn02625	53560	cic	0	0	1	0.00960599	7.84526	7.78618
FBgn02625	40170	Mi-2	0	0	1	0.00956312	16.3722	16.2484
FBgn02678	36173	Syx7	0	0	1	0.00948268	54.4387	54.024
FBgn00522	317928	ND-MLRQ	0	0	1	0.00947566	289.023	286.822
FBgn02597	42600	CG42390	0	0	1	0.00945378	52.9803	52.5763
FBgn00386	42213	cona	0	0	1	0.00944411	20.7657	20.6054
FBgn00510	326117	CG31099	0	0	1	0.00942498	44.4985	44.1574
FBgn00045	41670	B52	0	0	1	0.00942322	37.5225	37.2354
FBgn00274	43321	RpS10a	0	0	1	0.00941732	8.14862	8.0836
FBgn02661	19834837	asRNA:CR4	0	0	1	0.00941732	1.88229	1.86664
FBgn00243	41747	NK7.1	0	0	1	0.00938584	10.4028	10.3227

FBgn00368	40096	CG9666	0	0	1	0.0093588	9.96615	9.88856
FBgn02597	7354371	CG42374	0	0	1	0.0093588	9.96615	9.88856
FBgn00265	40812	CG1315	0	0	1	0.00931358	50.5713	50.18
FBgn00503	37423	CG30391	0	0	1	0.00930071	18.6221	18.4772
FBgn00249	40816	agt	0	0	1	0.00924918	43.8464	43.5048
FBgn00377	41195	CG8481	0	0	1	0.00922591	31.4624	31.2167
FBgn00584	3355093	CG40470	0	0	1	0.00915614	10.3879	10.3061
FBgn02678	37638	Gmer	0	0	1	0.00912262	10.1409	10.0599
FBgn00521	317908	CG32196	0	0	1	0.00909445	8.921	8.84882
FBgn00399	43816	MED26	0	0	1	0.00909135	40.7205	40.3997
FBgn00196	3772376	roX1	0	0	1	0.00908992	148.604	147.434
FBgn00372	40562	srl	0	0	1	0.00905891	7.74535	7.68387
FBgn00103	40616	corto	0	0	1	0.00901768	6.94117	6.88603
FBgn00275	37960	GstE12	0	0	1	0.00899172	146.89	145.722
FBgn00322	34373	CG4953	0	0	1	0.00896077	9.57145	9.49433
FBgn00351	38077	CG3402	0	0	1	0.00896077	8.05988	7.99414
FBgn00324	34647	atilla	0	0	1	0.00888392	41.8432	41.506
FBgn00326	35037	beat-IIIc	0	0	1	0.00882735	3.52036	3.4916
FBgn00117	31444	dhd	0	0	1	0.00876906	1.51408	1.50009
FBgn00241	251414	zpg	0	0	1	0.00876906	0.939534	0.930857
FBgn00406	50123	CG15456	0	0	1	0.00876906	2.64825	2.62379
FBgn00612	326273	His2B:CG17	0	0	1	0.00876906	2.43016	2.40771
FBgn02628	12798404	CG43189	0	0	1	0.00876906	2.40589	2.38368
FBgn02644	14462374	CR43863	0	0	1	0.00876906	2.72306	2.69791
FBgn02676	26067346	CR46027	0	0	1	0.00876906	2.45075	2.42812
FBgn00350	38019	CG6845	0	0	1	0.00874938	17.7579	17.6133
FBgn00399	3355069	CG17691	0	0	1	0.00873003	103.188	102.349
FBgn00360	39132	CG6767	0	0	1	0.00871893	67.7793	67.2279
FBgn02615	34839	l(2)34Fd	0	0	1	0.00869799	4.85208	4.81187
FBgn00254	32268	Bap60	0	0	1	0.00868732	15.196	15.0713
FBgn00303	32170	Cyp311a1	0	0	1	0.00868732	6.42674	6.37329
FBgn00354	38455	Ccz1	0	0	1	0.0086382	16.001	15.8691
FBgn00268	31099	CG14777	0	0	1	0.00862032	9.47544	9.39684
FBgn00324	34662	Oatp33Eb	0	0	1	0.0086147	28.4148	28.1813

FBgn00362	39375	ssp	0	0	1	0.00857648	17.6844	17.5378
FBgn00263	40384	SAK	0	0	1	0.00855978	19.3269	19.1672
FBgn00334	35993	CG1902	0	0	1	0.00854512	90.6462	89.898
FBgn00363	39467	CG10752	0	0	1	0.00851163	19.311	19.1504
FBgn00304	32267	CG4332	0	0	1	0.00844114	11.9189	11.819
FBgn00852	5740115	CG34250	0	0	1	0.00844114	8.45449	8.38226
FBgn02661	43484	Dop1R2	0	0	1	0.00835876	1.13079	1.121
FBgn00402	53435	c12.1	0	0	1	0.00829982	8.21254	8.14211
FBgn00167	42524	FBgn00167	0	0	1	0.0082329	151.811	150.526
FBgn00055	41166	Calr	0	0	1	0.00823242	312.074	309.433
FBgn02668	19835276	asRNA:CR4	0	0	1	0.00818169	183.673	182.105
FBgn00307	32542	CG15914	0	0	1	0.00809113	5.8077	5.75684
FBgn02660	39004	Fhos	0	0	1	0.00807434	9.15457	9.07596
FBgn00246	35054	fws	0	0	1	0.00803685	21.2282	21.0451
FBgn00253	37784	Thiolase	0	0	1	0.00802162	29.6394	29.3833
FBgn00316	33714	CG14043	0	0	1	0.00797911	35.2833	34.9778
FBgn02645	14462580	CR43900	0	0	1	0.00797281	116.207	115.201
FBgn00378	41368	CG6723	0	0	1	0.00794443	2.43133	2.40944
FBgn00389	42597	CG13408	0	0	1	0.00794443	0.795142	0.786853
FBgn00103	39899	Nc73EF	0	0	1	0.00792277	115.649	114.646
FBgn02610	34110	Rbsn-5	0	0	1	0.00790207	15.5301	15.3943
FBgn02607	326168	Mulk	0	0	1	0.00787686	13.8177	13.6962
FBgn00283	43997	jbug	0	0	1	0.007874	13.2317	13.1164
FBgn02615	39900	Exn	0	0	1	0.00786749	8.01835	7.94829
FBgn00341	36918	CG9646	0	0	1	0.00786678	22.7795	22.5806
FBgn00235	31119	CG3740	0	0	1	0.00784439	14.6245	14.4948
FBgn00358	38865	CG7457	0	0	1	0.00777094	23.2241	23.02
FBgn00398	43720	CG1635	0	0	1	0.00772343	21.304	21.1153
FBgn00305	32385	CG9400	0	0	1	0.00771671	4.59434	4.5524
FBgn00334	36011	hebe	0	0	1	0.00766935	37.5304	37.1976
FBgn00363	39549	CG17359	0	0	1	0.00766594	3.20845	3.17882
FBgn00399	7354399	CG17454	0	0	1	0.00764054	48.9541	48.5187
FBgn00287	37033	fab1	0	0	1	0.00763477	33.8325	33.5322
FBgn02508	3885654	CG33981	0	0	1	0.00763477	33.8325	33.5322

FBgn00863	40863	lap	0	0	1	0.00759359	22.5054	22.3048
FBgn00458	3772106	Uhg1	0	0	1	0.00758604	9.52996	9.44353
FBgn00393	43051	CG10513	0	0	1	0.00757679	138.787	137.549
FBgn00344	37202	CG10737	0	0	1	0.00756772	39.6237	39.27
FBgn02598	34557	Ca-beta	0	0	1	0.00755562	8.23147	8.1578
FBgn00334	35979	CG1888	0	0	1	0.00754814	4.83593	4.79245
FBgn00373	40643	CG14667	0	0	1	0.00748777	8.43025	8.35329
FBgn00309	32885	CG7332	0	0	1	0.00748454	20.2029	20.0211
FBgn00338	36516	CG12464	0	0	1	0.0074659	40.1162	39.7524
FBgn00305	32318	tth	0	0	1	0.00746226	15.2591	15.1214
FBgn00249	31086	ssx	0	0	1	0.00743202	27.1031	26.8585
FBgn00382	41738	FBgn00382	0	0	1	0.00738232	27.3621	27.1141
FBgn00297	31370	CG12691	0	0	1	0.00731526	6.69687	6.63306
FBgn00333	35842	CG8735	0	0	1	0.00726303	20.4664	20.2788
FBgn02676	26067296	asRNA:CR4	0	0	1	0.00722461	22.8108	22.5964
FBgn00403	30971	G9a	0	0	1	0.00721561	8.06718	7.99306
FBgn00355	38519	CG1309	0	0	1	0.00714369	54.7157	54.211
FBgn00517	34731	FBgn00517	0	0	1	0.00710345	1.07189	1.06136
FBgn02625	12798518	CG43095	0	0	1	0.00710345	2.55981	2.53313
FBgn02650	14462552	CR44166	0	0	1	0.00710345	2.57843	2.55155
FBgn02656	19835617	CR44456	0	0	1	0.00710345	21.5657	21.3623
FBgn02643	14462811	asRNA:CR4	0	0	1	0.00707416	16.9199	16.7623
FBgn02653	19834814	CG44314	0	0	1	0.00705347	8.16289	8.08638
FBgn00403	39089	MTF-1	0	0	1	0.00702823	11.8136	11.7035
FBgn00306	32511	CG8191	0	0	1	0.00701396	6.13766	6.07946
FBgn02627	42025	FBgn02627	0	0	1	0.00700436	105.158	104.179
FBgn02609	42657	bond	0	0	1	0.00698492	71.8228	71.1528
FBgn00332	35770	CG12769	0	0	1	0.00696167	2.90196	2.8746
FBgn00000	43869	amx	0	0	1	0.0069143	9.11243	9.0259
FBgn00158	40903	Rtnl2	0	0	1	0.00688206	46.8321	46.3909
FBgn00525	318098	CG32581	0	0	1	0.00688102	82.4656	81.6902
FBgn00009	31262	fs(1)Yb	0	0	1	0.0068601	0.952824	0.943382
FBgn00624	40989	Ctr1B	0	0	1	0.0068601	10.5624	10.4613
FBgn02627	12798159	CG43167	0	0	1	0.0068601	5.72348	5.66677

FBgn00376	41028	mRpL19	0	0	1	0.0067935	10.1725	10.0747
FBgn00384	41963	CG8925	0	0	1	0.00676238	2.9917	2.96267
FBgn00527	318169	CG32719	0	0	1	0.00672294	16.4846	16.3276
FBgn02597	7354407	CG42362	0	0	1	0.0067066	10.676	10.5736
FBgn02597	7354406	CG42363	0	0	1	0.0067066	10.676	10.5736
FBgn00307	32632	CG9782	0	0	1	0.00667668	1.34484	1.33082
FBgn00375	40920	CG10086	0	0	1	0.00663603	24.4203	24.186
FBgn00143	41136	RhoL	0	0	1	0.00663015	56.3418	55.802
FBgn00373	40696	MED27	0	0	1	0.00651949	18.1515	17.975
FBgn00305	32407	CG14408	0	0	1	0.00651776	9.43411	9.34273
FBgn00328	35337	CG9319	0	0	1	0.00648643	21.8495	21.6372
FBgn00285	36055	sut4	0	0	1	0.0064538	108.39	107.339
FBgn00307	32549	CG15916	0	0	1	0.00644512	19.4269	19.237
FBgn00297	31427	CG12680	0	0	1	0.00641858	12.5834	12.4594
FBgn00417	37703	yellow-d	0	0	1	0.00641858	31.3956	31.0899
FBgn00303	32141	CG10347	0	0	1	0.0064016	13.7654	13.6308
FBgn00265	43230	SPARC	0	0	1	0.00639606	18.2908	18.1115
FBgn00403	31047	CG3690	0	0	1	0.00634378	18.2385	18.0599
FBgn00400	3355139	CG17883	0	0	1	0.00633036	66.8186	66.165
FBgn00395	43373	Gfat2	0	0	1	0.00628592	16.1267	15.9681
FBgn00869	36409	Nacalpha	0	0	1	0.00627748	118.374	117.213
FBgn00326	35004	BuGZ	0	0	1	0.00619287	12.554	12.43
FBgn00048	34264	Gdi	0	0	1	0.00617092	95.1494	94.2091
FBgn00339	36576	RpS23	0	0	1	0.00616738	458.15	453.622
FBgn00385	42115	sll	0	0	1	0.00614611	14.5727	14.4276
FBgn02638	36914	Dark	0	0	1	0.00599739	12.2775	12.1544
FBgn00055	43439	yem	0	0	1	0.00592526	4.25725	4.21409
FBgn02612	35398	Hr39	0	0	1	0.00574771	7.99495	7.91333
FBgn02618	10178832	pre-mod(m	0	0	1	0.00566417	7.79499	7.71491
FBgn00004	33432	dpp	0	0	1	0.00558213	4.53844	4.49145
FBgn00309	32849	wgn	0	0	1	0.00555951	10.2158	10.1099
FBgn00155	40897	alpha-Est9	0	0	1	0.005545	24.9414	24.6839
FBgn00393	43111	CG17197	0	0	1	0.00547045	25.6053	25.3393
FBgn02628	40815	twr	0	0	1	0.00545017	73.5655	72.8006

FBgn00153	41265	jumu	0	0	1	0.00537049	3.0544	3.02212
FBgn00256	31013	CG13367	0	0	1	0.00537049	4.55669	4.50808
FBgn00334	36052	CG12920	0	0	1	0.00537049	2.51046	2.48298
FBgn00355	38522	CG1273	0	0	1	0.00537049	0.219159	0.216463
FBgn00399	3355133	conu	0	0	1	0.00537049	34.2227	33.8652
FBgn00416	318778	Or82a	0	0	1	0.00537049	0.384202	0.378711
FBgn02632	38436	dar1	0	0	1	0.00537049	1.06463	1.05304
FBgn02645	14462583	CR43918	0	0	1	0.00537049	3.18617	3.14699
FBgn02676	26067321	CR46000	0	0	1	0.00537049	0.904279	0.891357
FBgn02679	26067562	CR46252	0	0	1	0.00537049	0.90797	0.894995
FBgn00398	43750	CG2118	0	0	1	0.00530496	13.0939	12.9562
FBgn00443	34096	Cka	0	0	1	0.00523427	21.7321	21.5032
FBgn02604	3771920	PGRP-LD	0	0	1	0.00522882	8.93858	8.8441
FBgn00133	38196	nSyb	0	0	1	0.0052207	69.8784	69.1423
FBgn00202	35771	lig	0	0	1	0.00519836	18.6177	18.4211
FBgn00371	40505	CG11137	0	0	1	0.00519766	60.6108	59.97
FBgn00379	41391	CG6791	0	0	1	0.00516199	10.8015	10.687
FBgn02652	41423	l(3)neo38	0	0	1	0.00511368	10.41	10.2994
FBgn00853	5740676	inaF-A	0	0	1	0.00510448	14.7763	14.6183
FBgn00411	38884	exex	0	0	1	0.00507482	3.55475	3.51625
FBgn02643	14462845	CG43783	0	0	1	0.00505224	31.7899	31.4512
FBgn00308	32677	Nprl2	0	0	1	0.00503772	8.81275	8.71786
FBgn02664	37090	Ote	0	0	1	0.00503772	4.77898	4.72697
FBgn02613	40905	alpha-Est5	0	0	1	0.00502065	25.897	25.6201
FBgn02651	14462574	CR44208	0	0	1	0.00498998	2.43501	2.40835
FBgn00103	36001	dap	0	0	1	0.00492624	8.91349	8.81718
FBgn00302	32015	feo	0	0	1	0.00492624	2.31722	2.29164
FBgn00500	246415	CG30048	0	0	1	0.00490682	5.22761	5.17103
FBgn00381	41688	CG9297	0	0	1	0.00489863	89.8401	88.8741
FBgn00344	37274	CG10822	0	0	1	0.00487039	27.1039	26.8089
FBgn00329	35402	Mondo	0	0	1	0.00485749	28.3606	28.0546
FBgn00155	43958	spag	0	0	1	0.0048128	17.2325	17.0453
FBgn00004	48450	Dip-B	0	0	1	0.00471053	74.1068	73.2999
FBgn00285	35583	phtf	0	0	1	0.00469074	48.6532	48.1228

FBgn00054	32602	U2af50	0	0	1	0.00467748	30.7629	30.4266
FBgn00317	33783	Oscillin	0	0	1	0.0046628	13.9703	13.8172
FBgn00117	38942	DNApol-alp	0	0	1	0.00460615	2.07353	2.04972
FBgn00365	39687	CG16979	0	0	1	0.00457629	70.9843	70.2048
FBgn00305	32335	CG11151	0	0	1	0.00455524	83.5709	82.6514
FBgn00043	39158	RasGAP1	0	0	1	0.00453177	7.14866	7.0697
FBgn00502	37610	CG30268	0	0	1	0.00447745	6.71321	6.63865
FBgn00511	43001	CG31109	0	0	1	0.00447745	11.4581	11.3299
FBgn02628	12797962	CR43217	0	0	1	0.00447745	4.27136	4.22155
FBgn02625	12798330	CG43110	0	0	1	0.00444963	12.8377	12.6955
FBgn00315	33545	CG8837	0	0	1	0.0043771	6.85331	6.77625
FBgn00510	326114	PH4alphaN	0	0	1	0.00434641	37.6167	37.197
FBgn00395	43333	CG12877	0	0	1	0.00433844	7.46928	7.38559
FBgn00262	35478	gus	0	0	1	0.00432525	39.4132	38.9734
FBgn02630	43329	HSPBAP1	0	0	1	0.00429665	5.38123	5.31983
FBgn00397	43554	CG7903	0	0	1	0.00426467	10.4619	10.3437
FBgn02648	34032	RapGAP1	0	0	1	0.00424341	9.03422	8.93283
FBgn00284	35955	Drep2	0	0	1	0.00423072	2.22791	2.20269
FBgn00012	39071	Hsp67Bc	0	0	1	0.00417571	4.22592	4.17664
FBgn02643	43404	spg	0	0	1	0.00417135	8.00212	7.9119
FBgn00013	38067	klar	0	0	1	0.00411511	10.741	10.6197
FBgn00382	41809	Sdr	0	0	1	0.00410441	3.88364	3.83935
FBgn00523	38055	Atac3	0	0	1	0.00410441	3.35475	3.31612
FBgn00330	35529	SCAP	0	0	1	0.00410138	19.334	19.1153
FBgn00376	41123	CG8135	0	0	1	0.00409169	17.0035	16.8107
FBgn02602	8674100	CG42511	0	0	1	0.00409169	17.0035	16.8107
FBgn00395	43317	Tusp	0	0	1	0.00408346	3.51462	3.47459
FBgn00539	3885607	CG33995	0	0	1	0.0040584	68.9016	68.1207
FBgn00309	32827	CG6290	0	0	1	0.00402406	2.46671	2.43638
FBgn00533	2768917	CG33301	0	0	1	0.00402406	19.0536	18.8363
FBgn02617	40781	SmD2	0	0	1	0.00394028	29.272	28.9359
FBgn00856	5740475	CG41378	0	0	1	0.00388241	31.3674	31.0064
FBgn00317	33822	CG9016	0	0	1	0.00385236	230.48	227.835
FBgn00324	34722	CG16812	0	0	1	0.00382832	13.2166	13.0638

FBgn02669	19835320	CR45432	0	0	1	0.00382832	4.72264	4.66586
FBgn00286	31342	FBgn00286	0	0	1	0.00378974	121.312	119.915
FBgn02631	36118	psq	0	0	1	0.00376201	13.7423	13.5837
FBgn00267	36919	fat-spondir	0	0	1	0.00374491	21.1892	20.944
FBgn00113	34370	Rsf1	0	0	1	0.00374105	16.605	16.4123
FBgn00158	44183	ScpX	0	0	1	0.00369735	41.3924	40.9125
FBgn00388	42543	Fancm	0	0	1	0.00369283	14.2448	14.0796
FBgn00310	32915	CG14196	0	0	1	0.00364963	8.30233	8.20528
FBgn00360	39201	CG14151	0	0	1	0.0036396	16.9364	16.7372
FBgn00393	43110	CG17198	0	0	1	0.00358288	25.5292	25.2309
FBgn00394	43274	CG5909	0	0	1	0.00356599	2.84755	2.81313
FBgn00518	318949	CG31802	0	0	1	0.00356599	128.356	126.857
FBgn02670	19836007	asRNA:CR4	0	0	1	0.00356599	5.25784	5.1943
FBgn00336	36199	CG9062	0	0	1	0.0035084	14.6408	14.4689
FBgn00303	32109	rho-4	0	0	1	0.00349709	21.1188	20.8708
FBgn00381	41626	Ravus	0	0	1	0.00348584	8.37046	8.27101
FBgn00860	5740504	snoRNA:M	0	0	1	0.00348584	114.216	112.859
FBgn00504	37954	Usp15-31	0	0	1	0.00345961	13.8155	13.653
FBgn00321	34260	FucTB	0	0	1	0.00339824	65.1927	64.4241
FBgn02647	14462701	CG44000	0	0	1	0.0033369	67.0541	66.261
FBgn02647	326173	CG44001	0	0	1	0.0033369	67.0541	66.261
FBgn00345	37379	CG10543	0	0	1	0.00333518	6.96568	6.88311
FBgn00310	32948	Tao	0	0	1	0.00329357	13.5207	13.3603
FBgn02648	14462662	CR44073	0	0	1	0.00319612	5.65792	5.58613
FBgn00387	42390	CG4424	0	0	1	0.00303666	2.54194	2.50997
FBgn02642	42077	Det	0	0	1	0.00303666	9.86685	9.7455
FBgn00345	37342	Lrt	0	0	1	0.00300192	2.88702	2.85176
FBgn00316	33643	CG3652	0	0	1	0.00297272	26.5237	26.2016
FBgn02674	26067151	CR45823	0	0	1	0.00294782	4.72488	4.66576
FBgn00005	39999	Eip75B	0	0	1	0.00288586	6.53044	6.45112
FBgn00347	37547	CG5819	0	0	1	0.0028313	31.2968	30.9156
FBgn00308	32788	CG7206	0	0	1	0.00282316	25.1664	24.859
FBgn00310	32980	CG14229	0	0	1	0.00282316	11.3754	11.2355
FBgn00408	50287	CG14113	0	0	1	0.00281146	57.2935	56.5923

FBgn00045	41247	Syn	0	0	1	0.00279667	23.518	23.231
FBgn00035	31012	su(sable)	0	0	1	0.00278372	10.3744	10.2475
FBgn00307	32566	eIF5	0	0	1	0.00268513	89.5662	88.4671
FBgn00263	39659	Tak1	0	0	1	0.00266459	11.2891	11.1501
FBgn00317	33840	CG9098	0	0	1	0.00263552	1.46077	1.44233
FBgn00331	12798079	CR12842	0	0	1	0.00263552	1.42142	1.40111
FBgn00332	35777	sand	0	0	1	0.00263552	3.23332	3.19266
FBgn00365	39694	CG7650	0	0	1	0.00263552	11.4537	11.3117
FBgn00371	40470	CG11437	0	0	1	0.00263552	0.896987	0.884169
FBgn00387	42377	CG4459	0	0	1	0.00263552	1.76657	1.74398
FBgn00354	38399	CG11505	0	0	1	0.00261181	16.3513	16.1497
FBgn00380	41502	GstD9	0	0	1	0.0025979	87.4881	86.4076
FBgn00328	35326	CG2614	0	0	1	0.00258018	10.3996	10.2705
FBgn00312	33279	CG4415	0	0	1	0.0024693	5.56132	5.49101
FBgn00377	41160	CG8301	0	0	1	0.0024693	2.50745	2.47575
FBgn00391	42844	Mettl3	0	0	1	0.00243831	9.97425	9.84934
FBgn00518	318992	Ada1-2	0	0	1	0.00241803	5.43875	5.36942
FBgn00102	43829	ATPsynbeta	0	0	1	0.0024036	678.243	669.793
FBgn00283	36984	cyp33	0	0	1	0.00237838	10.1807	10.0519
FBgn00458	42996	bai	0	0	1	0.00231305	134.243	132.561
FBgn02834	42504	slmb	0	0	1	0.00230314	32.3295	31.9241
FBgn00386	42258	CG18208	0	0	1	0.00230247	1.58263	1.56262
FBgn02606	40140	l(3)76BDm	0	0	1	0.00229687	21.9728	21.697
FBgn00371	2768961	CG7369	0	0	1	0.00221745	7.34417	7.25127
FBgn00517	34642	CG31760	0	0	1	0.00221348	4.53925	4.48173
FBgn00342	37057	Muc55B	0	0	1	0.00213502	4.28981	4.23459
FBgn00375	40976	CG11671	0	0	1	0.0021077	57.5731	56.8416
FBgn00302	32052	CG15202	0	0	1	0.00206786	15.8204	15.6176
FBgn00333	35924	tsu	0	0	1	0.00206786	23.0581	22.763
FBgn02652	19836113	CR44265	0	0	1	0.00206786	5.35753	5.28745
FBgn00311	33132	Usp2	0	0	1	0.00206217	24.4129	24.1028
FBgn00854	2768848	mute	0	0	1	0.00205488	6.8848	6.79709
FBgn02618	10178797	pre-mod(m	0	0	1	0.00205106	9.0947	8.97868
FBgn00286	40389	VhaM9.7-b	0	0	1	0.00202171	157.784	155.776

FBgn00313	33399	mio	0	0	1	0.00201816	10.6297	10.4939
FBgn00355	38534	Cip4	0	0	1	0.00200435	25.0273	24.7083
FBgn02604	39809	FBgn02604	0	0	1	0.0019799	16.6683	16.4533
FBgn00137	43823	Arf102F	0	0	1	0.00195893	113.11	111.665
FBgn00333	3772535	Cyp6a15Ps	0	0	1	0.00192483	3.42316	3.3777
FBgn02644	40793	gpp	0	0	1	0.00186651	14.7541	14.5648
FBgn00369	40222	CG6951	0	0	1	0.00185967	4.20387	4.14842
FBgn00511	326121	CG31126	0	0	1	0.00185967	25.4461	25.1166
FBgn00851	5740441	CG34161	0	0	1	0.00174835	47.9989	47.3763
FBgn00338	246682	CG17724	0	0	1	0.00171603	13.5368	13.3616
FBgn00258	5740408	CG17707	0	0	1	0.00168544	1.07089	1.05656
FBgn00390	42739	VhaAC39-2	0	0	1	0.00168544	7.71278	7.61145
FBgn00333	35941	CG8026	0	0	1	0.00167192	42.9368	42.3798
FBgn02664	19834931	CG45085	0	0	1	0.00161101	44.0382	43.4651
FBgn00289	3772396	seq	0	0	1	0.00155725	10.0994	9.96743
FBgn00338	36496	bbc	0	0	1	0.00154222	44.9717	44.3844
FBgn00220	35847	Vps25	0	0	1	0.00151816	15.3387	15.1357
FBgn00503	246563	CG30357	0	0	1	0.00151816	20.4948	20.2259
FBgn00019	34793	Arpc1	0	0	1	0.00150466	38.9806	38.47
FBgn00312	33180	CG3436	0	0	1	0.00138442	20.9606	20.6836
FBgn00001	32645	Axs	0	0	1	0.00136428	6.31722	6.23334
FBgn00003	3355131	cta	0	0	1	0.00129978	17.1729	16.9453
FBgn02594	34372	Mob3	0	0	1	0.00129978	22.288	21.9915
FBgn00354	38444	IntS10	0	0	1	0.00128839	6.75583	6.66572
FBgn00041	40459	Csp	0	0	1	0.00125894	57.0753	56.3189
FBgn00364	39560	CG13484	0	0	1	0.00120285	5.50161	5.42579
FBgn00288	35816	CSN7	0	0	1	0.00118291	27.7831	27.4123
FBgn00853	5740497	inaF-C	0	0	1	0.00113349	11.9096	11.7498
FBgn00362	39328	CG14131	0	0	1	0.0010856	15.4957	15.288
FBgn00350	37919	CG4622	0	0	1	0.00106534	8.34295	8.23075
FBgn00297	31450	CG3309	0	0	1	0.00104085	3.09553	3.05339
FBgn00346	37467	Rae1	0	0	1	0.000994461	10.5941	10.4504
FBgn02666	19835632	asRNA:CR4	0	0	1	0.000994461	3.43226	3.3857
FBgn00273	32850	Rip11	0	0	1	0.000985009	25.6115	25.2671

FBgn00357	38756	CG10077	0	0	1	0.000963715	145.923	143.961
FBgn00112	48571	heph	0	0	1	0.000874381	15.5276	15.3178
FBgn00042	32603	nonA	0	0	1	0.000799795	13.6141	13.4293
FBgn00407	2768719	luna	0	0	1	0.000764132	2.04474	2.01677
FBgn00289	34781	CG16890	0	0	1	0.00063963	23.6762	23.3512
FBgn00353	38281	CG15878	0	0	1	0.00063963	25.0447	24.7014
FBgn00389	42602	Gld2	0	0	1	0.000614723	45.4435	44.8215
FBgn00410	34242	tai	0	0	1	0.000526153	5.87417	5.7933
FBgn00401	32371	l(1)G0469	0	0	1	0.000522639	11.7254	11.5638
FBgn00256	42305	cry	0	0	1	0.000472749	50.8321	50.1307
FBgn02649	39730	pHCl-1	0	0	1	0.000430954	7.23956	7.13939
FBgn00361	39294	CG7394	0	0	1	0.000387079	18.1441	17.8918
FBgn00522	40225	gogo	0	0	1	0.000352412	1.66327	1.63986
FBgn00351	38021	p130CAS	0	0	1	0.000341648	19.0013	18.7373
FBgn00381	41672	CG9588	0	0	1	0.000306713	14.9466	14.7375
FBgn00048	31181	ph-p	0	0	1	0.000292922	5.45473	5.37863
FBgn00522	317952	CG32280	0	0	1	0.000267209	43.2372	42.6343
FBgn00318	33964	Rat1	0	0	1	0.000222178	8.02321	7.91075
FBgn00410	3355129	CG17715	0	0	1	0.000222178	7.10946	7.00998
FBgn00528	318225	CG32816	0	0	1	0.00018404	2.40389	2.36954
FBgn00353	38300	CG1317	0	0	1	0.0001667	64.2718	63.3723
FBgn00382	41756	HtrA2	0	0	1	0.000144678	22.7589	22.4395
FBgn00332	35786	Socs44A	0	0	1	8.32E-05	12.12	11.9488
FBgn00388	42520	Nelf-A	0	0	1	8.14E-05	6.43117	6.34045
FBgn00000	33392	aop	0	0	1	4.40E-05	10.7168	10.5657
FBgn00308	32761	CG6398	0	0	1	3.38E-05	26.2414	25.871
FBgn00368	40066	CG14077	0	0	1	5.41E-07	46.3206	45.6669
FBgn00363	39476	CG11267	0	0	1	-4.25E-05	57.7665	56.9472
FBgn02625	34141	mtsh	0	0	1	-8.56E-05	11.0984	10.9406
FBgn00402	3771934	cana	0	0	1	-0.000105723	20.2665	19.979
FBgn00322	34384	CG4968	0	0	1	-0.00011898	86.2963	85.0705
FBgn00390	42748	Rad60	0	0	1	-0.000152298	25.7505	25.3836
FBgn00006	34259	Fbp2	0	0	1	-0.000276076	3.28812	3.23943
FBgn00033	36213	sha	0	0	1	-0.000276076	0.140966	0.138652

FBgn00046	41612	sim	0	0	1	-0.000276076	0.870181	0.857231
FBgn00117	33114	Sep-01	0	0	1	-0.000276076	15.3581	15.1378
FBgn00303	32147	CG10352	0	0	1	-0.000276076	5.35244	5.27473
FBgn00336	36254	Ir48b	0	0	1	-0.000276076	0.231336	0.227017
FBgn00358	38866	CG8492	0	0	1	-0.000276076	0.297837	0.293165
FBgn00376	41098	St2	0	0	1	-0.000276076	0.564139	0.554881
FBgn00377	41213	CG9459	0	0	1	-0.000276076	37.4972	36.9594
FBgn00650	3771973	snmRNA:43	0	0	1	-0.000276076	41.2754	40.657
FBgn02625	36900	Vha16-4	0	0	1	-0.000276076	3.08962	3.04225
FBgn02674	26067054	kl-5	0	0	1	-0.000422923	2.66073	2.62231
FBgn00384	41989	CG17565	0	0	1	-0.0004266	11.3069	11.143
FBgn00839	40912	Nlg3	0	0	1	-0.000430466	2.60086	2.56314
FBgn00289	34835	CG33090	0	0	1	-0.000439935	16.0152	15.7841
FBgn00357	38801	unc-13-4A	0	0	1	-0.000473584	3.45188	3.40185
FBgn00277	38026	Mtch	0	0	1	-0.000593536	67.3397	66.3616
FBgn00339	36594	CG8617	0	0	1	-0.000631027	11.3278	11.1618
FBgn00175	44672	Lk6	0	0	1	-0.000666927	343.83	338.825
FBgn02674	26067048	CG45770	0	0	1	-0.000678558	20.0966	19.8011
FBgn00866	3355114	Spf45	0	0	1	-0.000681955	36.4913	35.9585
FBgn00384	42065	cal1	0	0	1	-0.000683518	20.0405	19.748
FBgn00378	41341	Tctp	0	0	1	-0.00068847	459.347	452.653
FBgn00318	33907	KFase	0	0	1	-0.000692499	9.40487	9.26645
FBgn00234	34767	B4	0	0	1	-0.000705514	12.2789	12.0996
FBgn00323	34540	Wdr59	0	0	1	-0.000726848	18.0168	17.7533
FBgn00137	36699	Arf51F	0	0	1	-0.000731976	42.7355	42.1107
FBgn00276	43630	jdp	0	0	1	-0.000786299	31.2792	30.8205
FBgn02675	26067202	asRNA:CR4	0	0	1	-0.000796686	211.846	208.741
FBgn00510	43535	CG31038	0	0	1	-0.000817527	9.4522	9.31334
FBgn00341	36840	CG4409	0	0	1	-0.000825779	5.15266	5.07513
FBgn00243	36865	Picot	0	0	1	-0.000923612	57.8923	57.0388
FBgn00394	43240	CG6330	0	0	1	-0.000926085	28.2967	27.879
FBgn02664	19835136	CG45066	0	0	1	-0.000948818	34.0564	33.5524
FBgn00342	37056	CG14495	0	0	1	-0.000964221	18.7527	18.4741
FBgn00381	41680	Adgf-C	0	0	1	-0.000988694	8.62853	8.49996

FBgn00313	326177	CG31937	0	0	1	-0.000997244	31.3059	30.8416
FBgn02599	8674111	CG42445	0	0	1	-0.00100306	9.71024	9.56503
FBgn02632	31955	Hk	0	0	1	-0.001006	6.83173	6.73053
FBgn00387	42392	trem	0	0	1	-0.00105318	11.2685	11.1003
FBgn00384	42050	CG8907	0	0	1	-0.00108454	29.4973	29.0587
FBgn00012	45880	ImpL3	0	0	1	-0.00117523	12.2423	12.0589
FBgn00375	40946	CG2767	0	0	1	-0.00125451	50.1113	49.3603
FBgn00338	36477	CG4734	0	0	1	-0.00128079	55.2831	54.4534
FBgn00316	33705	jet	0	0	1	-0.00128885	7.25306	7.14312
FBgn00345	37359	CG15227	0	0	1	-0.00128885	10.1857	10.0317
FBgn00370	40385	Cdk12	0	0	1	-0.00136584	14.8562	14.6325
FBgn00361	39250	CG7638	0	0	1	-0.00141187	17.4251	17.1616
FBgn00035	31106	sta	0	0	1	-0.00145939	140.238	138.12
FBgn00321	34258	Mco1	0	0	1	-0.00146202	10.1327	9.97914
FBgn00338	36528	CG13339	0	0	1	-0.0015455	15.8775	15.634
FBgn00103	41720	140up	0	0	1	-0.00159421	13.5094	13.3026
FBgn00046	31474	Mlc-c	0	0	1	-0.00159726	120.131	118.304
FBgn00315	33628	CG3702	0	0	1	-0.00161428	89.4529	88.0921
FBgn00340	36703	unc-5	0	0	1	-0.00164855	3.34635	3.29504
FBgn00327	35144	CG17321	0	0	1	-0.00165354	5.17135	5.09188
FBgn00302	32077	CG1737	0	0	1	-0.00166755	5.52563	5.44101
FBgn00307	32610	CG4301	0	0	1	-0.00167553	7.82245	7.70289
FBgn02678	26067450	asRNA:CR4	0	0	1	-0.00168427	8.00809	7.88508
FBgn02661	19835476	pre-mod(m	0	0	1	-0.00175652	6.39983	6.30108
FBgn02661	19836240	pre-mod(m	0	0	1	-0.00175652	6.39983	6.30108
FBgn00203	36445	Nrk	0	0	1	-0.00180355	2.699	2.65704
FBgn00504	37879	CG30419	0	0	1	-0.00180355	1.83092	1.80236
FBgn00316	33649	Elp3	0	0	1	-0.00183967	10.0898	9.93382
FBgn00256	31028	CG13359	0	0	1	-0.00184553	17.9616	17.6847
FBgn00335	36110	trsn	0	0	1	-0.00184793	17.701	17.4269
FBgn00362	39420	CG10616	0	0	1	-0.00189363	64.0171	63.0306
FBgn00300	31740	alpha-PheR	0	0	1	-0.00190716	15.4336	15.1947
FBgn00333	35935	CG8008	0	0	1	-0.00205462	24.6293	24.2467
FBgn02597	7354424	CG42394	0	0	1	-0.00205462	64.0341	63.0383

FBgn00311	33047	GstT3	0	0	1	-0.00206301	15.2946	15.0561
FBgn00102	39765	Taf4	0	0	1	-0.00217597	17.8706	17.5917
FBgn00512	42237	CG31224	0	0	1	-0.00221242	13.3272	13.1189
FBgn00854	5740702	CG34433	0	0	1	-0.00225644	15.018	14.781
FBgn00356	38687	CG6592	0	0	1	-0.0023239	0.796949	0.783283
FBgn00381	41629	CG8630	0	0	1	-0.00235163	30.2507	29.7747
FBgn00032	44851	raw	0	0	1	-0.00236642	17.1135	16.8441
FBgn00379	41466	CG14736	0	0	1	-0.00236992	19.0003	18.7007
FBgn02637	14462401	CG43673	0	0	1	-0.00238935	15.7813	15.5309
FBgn00251	44441	Bem46	0	0	1	-0.00241499	11.6918	11.5065
FBgn00342	37010	swi2	0	0	1	-0.00247363	16.4987	16.2375
FBgn00330	35539	Ars2	0	0	1	-0.00251834	34.124	33.5836
FBgn00359	38970	CG6683	0	0	1	-0.00258624	3.48285	3.42569
FBgn00154	40660	ksr	0	0	1	-0.00261781	7.8677	7.74235
FBgn00393	43039	RpS27	0	0	1	-0.00271925	180.304	177.424
FBgn00231	45031	Pp4-19C	0	0	1	-0.00272043	10.3788	10.2123
FBgn00324	34721	Ski6	0	0	1	-0.00274433	13.2507	13.0371
FBgn00390	42740	CG13829	0	0	1	-0.00280195	11.7406	11.5502
FBgn00393	43068	CHKov2	0	0	1	-0.00285516	30.7598	30.2648
FBgn00322	34371	REPTOR-BP	0	0	1	-0.00290767	68.9463	67.8342
FBgn00308	32774	CG12985	0	0	1	-0.00292565	2.21305	2.17604
FBgn00349	37831	CG3121	0	0	1	-0.00295021	28.0379	27.5852
FBgn00011	45871	grau	0	0	1	-0.00298246	7.29666	7.17792
FBgn00262	53563	gukh	0	0	1	-0.00298944	3.19998	3.14808
FBgn00309	32814	CG6023	0	0	1	-0.00302669	4.44587	4.37291
FBgn00390	42690	CG4813	0	0	1	-0.00302669	2.52457	2.48253
FBgn00321	34288	CG13116	0	0	1	-0.0030621	17.1649	16.8851
FBgn00350	37991	CG3770	0	0	1	-0.00309109	3.39348	3.33712
FBgn02635	12797941	CR43496	0	0	1	-0.00309109	5.35955	5.27053
FBgn00160	5740599	pgc	0	0	1	-0.00316849	5.32271	5.23459
FBgn00397	43635	Rpt6R	0	0	1	-0.00323849	40.0068	39.3529
FBgn00011	33824	Gpdh	0	0	1	-0.00326094	97.8788	96.2801
FBgn00003	35653	cos	0	0	1	-0.00330377	3.70716	3.64612
FBgn02621	36102	RanBPM	0	0	1	-0.00337073	27.557	27.1046

FBgn00041	37196	5-HT1A	0	0	1	-0.00338199	1.88369	1.8524
FBgn00370	40375	Neu2	0	0	1	-0.00338199	0.609794	0.598408
FBgn00538	3771891	His2B:CG33	0	0	1	-0.00338199	2.85076	2.80081
FBgn00539	3772094	His2B:CG33	0	0	1	-0.00338199	2.85076	2.80081
FBgn02628	12797966	CR43213	0	0	1	-0.00338199	4.33015	4.2575
FBgn02678	26067455	asRNA:CR4	0	0	1	-0.00338199	7.14439	7.02541
FBgn00360	39103	Jarid2	0	0	1	-0.00341442	10.0771	9.91132
FBgn00217	43901	chb	0	0	1	-0.0034146	75.1965	73.9606
FBgn00522	38438	CG32264	0	0	1	-0.0034743	12.2035	12.0023
FBgn00011	33172	Gs1	0	0	1	-0.0035144	47.9536	47.1616
FBgn00504	246606	CG30424	0	0	1	-0.0035159	12.0447	11.8448
FBgn00112	38174	cue	0	0	1	-0.00370262	35.4209	34.8312
FBgn00373	40695	elm	0	0	1	-0.00374261	87.1034	85.6512
FBgn02619	44668	SmD1	0	0	1	-0.00376868	14.6852	14.4378
FBgn00199	40260	FBgn00199	0	0	1	-0.0038506	24.4937	24.083
FBgn02655	38062	Cdc5	0	0	1	-0.00388088	12.424	12.2154
FBgn00231	43904	AMPKalpha	0	0	1	-0.00388231	28.099	27.6276
FBgn02678	3354925	Maf1	0	0	1	-0.00388445	22.7113	22.3304
FBgn02602	8674071	CG42497	0	0	1	-0.00390352	122.816	120.754
FBgn00356	38620	blanks	0	0	1	-0.00394838	38.5082	37.8599
FBgn00275	32682	CG4928	0	0	1	-0.00401527	95.2191	93.615
FBgn00466	3355173	Pp1-Y2	0	0	1	-0.00402821	9.96799	9.79855
FBgn00032	44855	rib	0	0	1	-0.0040747	2.56309	2.51942
FBgn02834	44505	br	0	0	1	-0.0040747	0.604583	0.59428
FBgn00500	246416	CG30049	0	0	1	-0.00410055	2.74486	2.69779
FBgn00381	41645	CG8870	0	0	1	-0.00411223	8.62276	8.47573
FBgn02619	33641	Psf2	0	0	1	-0.0041284	12.7821	12.5636
FBgn00315	33585	CG15418	0	0	1	-0.00421444	28.1208	27.6398
FBgn00275	37028	CG5009	0	0	1	-0.00423542	43.9846	43.2364
FBgn00356	38688	CG10472	0	0	1	-0.00424882	213.154	209.528
FBgn00368	40116	brv1	0	0	1	-0.00426536	3.50573	3.44538
FBgn02657	32817	CrebB	0	0	1	-0.00427561	14.6201	14.3709
FBgn00326	35019	CG13282	0	0	1	-0.00430783	6.4691	6.35783
FBgn02669	19836245	asRNA:CR4	0	0	1	-0.00430783	7.47564	7.34586

FBgn00382	41744	Afti	0	0	1	-0.0043206	15.2825	15.0215
FBgn00344	37244	TBCB	0	0	1	-0.00434246	39.5159	38.8399
FBgn00340	36771	SP2353	0	0	1	-0.00434762	6.16689	6.06134
FBgn00395	43347	CG12259	0	0	1	-0.00435459	6.8289	6.71079
FBgn00370	40324	CG10584	0	0	1	-0.00438848	11.421	11.224
FBgn00398	43724	CycG	0	0	1	-0.004434	137.254	134.903
FBgn00368	40046	CG14073	0	0	1	-0.0044372	13.4401	13.2096
FBgn00358	38916	UbcE2M	0	0	1	-0.00450855	36.155	35.5328
FBgn00000	35526	Act42A	0	0	1	-0.00452448	227.19	223.283
FBgn02661	19835127	pre-mod(m	0	0	1	-0.00452827	6.11392	6.00801
FBgn00327	35232	CG18094	0	0	1	-0.00463248	8.13501	7.99318
FBgn00372	40526	CG14636	0	0	1	-0.00477747	1.98485	1.9491
FBgn02677	26067382	asRNA:CR4	0	0	1	-0.00477747	6.12785	6.01749
FBgn00383	41879	h-cup	0	0	1	-0.0048222	52.2296	51.32
FBgn00046	47874	Zw10	0	0	1	-0.00482993	5.94695	5.84275
FBgn00511	42554	CG31176	0	0	1	-0.00482993	3.03425	2.9807
FBgn00323	34614	CG6746	0	0	1	-0.0048382	127.862	125.635
FBgn02675	26067199	asRNA:CR4	0	0	1	-0.00486335	2.06846	2.03158
FBgn00531	326262	FBgn00531	0	0	1	-0.0048665	20.6111	20.2515
FBgn00385	42158	CG7785	0	0	1	-0.00494189	5.57087	5.47243
FBgn02621	3355011	CG17683	0	0	1	-0.0050376	36.4409	35.801
FBgn00339	36656	HPS1	0	0	1	-0.00508043	5.09475	5.00432
FBgn00307	32616	rngo	0	0	1	-0.00509161	38.8054	38.1226
FBgn00354	38374	CG1291	0	0	1	-0.00519875	12.8773	12.6487
FBgn00388	42488	CG7079	0	0	1	-0.00525167	9.5536	9.3831
FBgn02668	19835464	CR45345	0	0	1	-0.00525167	2.20209	2.16243
FBgn00529	318271	CG32971	0	0	1	-0.00526611	15.2753	15.0029
FBgn00328	35342	Pomp	0	0	1	-0.0052793	53.4233	52.4758
FBgn00384	42002	Gyc89Db	0	0	1	-0.00534707	0.7491	0.735113
FBgn02671	19835705	CR45563	0	0	1	-0.00534707	2.77696	2.72511
FBgn00500	36027	FBgn00500	0	0	1	-0.00536785	13.7	13.4564
FBgn00314	33512	alpha4GT1	0	0	1	-0.00543069	15.7527	15.4711
FBgn02667	19835610	CR45215	0	0	1	-0.00546875	4.51211	4.42977
FBgn00044	32595	Cyp1	0	0	1	-0.00551537	314.643	309.021

FBgn00392	42953	Ude	0	0	1	-0.0055297	28.8441	28.3274
FBgn00157	34526	RpL9	0	0	1	-0.00557038	580.083	569.697
FBgn00268	31072	CG11403	0	0	1	-0.00557038	1.74152	1.70968
FBgn00343	37072	CG5742	0	0	1	-0.00557038	5.33484	5.23876
FBgn00299	31715	CG15330	0	0	1	-0.00573051	4.56916	4.48385
FBgn00343	37076	CG10915	0	0	1	-0.00577007	9.13645	8.97108
FBgn00378	41271	CG6345	0	0	1	-0.00581426	5.2755	5.17913
FBgn00041	44540	ct	0	0	1	-0.00585899	3.74705	3.67908
FBgn00340	36793	clu	0	0	1	-0.00589769	18.4836	18.1483
FBgn02632	34638	Phae2	0	0	1	-0.0059327	22.6913	22.2779
FBgn00012	36583	Hsc70-5	0	0	1	-0.00596686	122.627	120.398
FBgn00312	33235	Sf3b1	0	0	1	-0.00597565	11.7855	11.5708
FBgn00329	35453	RpL21	0	0	1	-0.00604407	1397.04	1371.58
FBgn00103	34449	Lrr47	0	0	1	-0.00605234	4.68884	4.60233
FBgn00138	35061	Dhc36C	0	0	1	-0.00607413	11.2097	11.005
FBgn00104	41290	TfIIFbeta	0	0	1	-0.0060817	16.49	16.1873
FBgn00377	41250	CG12817	0	0	1	-0.0060817	8.683	8.52272
FBgn00112	47272	FBgn00112	0	0	1	-0.00612353	20.0813	19.7127
FBgn00388	42498	CG5745	0	0	1	-0.00613312	11.0706	10.8671
FBgn00309	32876	Pvf1	0	0	1	-0.00616433	19.1239	18.7731
FBgn00037	40165	trc	0	0	1	-0.00616851	19.0479	18.6985
FBgn00391	42860	Root	0	0	1	-0.00635508	15.5887	15.301
FBgn00370	40373	Syx6	0	0	1	-0.00636562	22.5675	22.1504
FBgn00520	326189	Adi1	0	0	1	-0.00641692	114.519	112.4
FBgn00157	44360	Rab18	0	0	1	-0.00641985	48.6699	47.7682
FBgn00373	40681	CG1427	0	0	1	-0.00646438	38.0845	37.3783
FBgn00427	117365	HBS1	0	0	1	-0.00654096	15.0344	14.7545
FBgn00333	35911	CG13743	0	0	1	-0.00654283	5.06216	4.96765
FBgn00235	31149	trr	0	0	1	-0.00661203	3.81279	3.7416
FBgn00377	41204	CG12945	0	0	1	-0.00662892	25.2101	24.74
FBgn00297	31443	TrxT	0	0	1	-0.0066787	218.738	214.656
FBgn00136	19893550	mt:tRNA:Hi	0	0	1	-0.00670235	18.5377	18.1621
FBgn00312	33264	CG4291	0	0	1	-0.00670235	6.34669	6.22671
FBgn00373	40670	Pi4KIIalpha	0	0	1	-0.00670235	30.3311	29.7642

FBgn00382	41791	CG14857	0	0	1	-0.00670235	7.84116	7.69382
FBgn00406	12798232	CG14664	0	0	1	-0.00670235	0.277274	0.270708
FBgn02643	14462726	CG43796	0	0	1	-0.00670235	21.0749	20.6784
FBgn02647	14462844	CR43970	0	0	1	-0.00670235	1.02987	1.00549
FBgn02669	19834763	CR45417	0	0	1	-0.00670235	0.77703	0.758632
FBgn02834	26067078	CG46281	0	0	1	-0.00670235	27.133	26.6249
FBgn02614	45233	capt	0	0	1	-0.00673476	27.3335	26.822
FBgn00329	35452	CG3262	0	0	1	-0.00675162	16.558	16.2481
FBgn00309	32866	CG18259	0	0	1	-0.00680499	13.5718	13.3165
FBgn00331	35641	CG11060	0	0	1	-0.00685356	16.3809	16.0725
FBgn00285	34928	CG3793	0	0	1	-0.00691096	7.8876	7.73809
FBgn00313	33289	CG4552	0	0	1	-0.00696601	32.1819	31.5746
FBgn00301	10178895	CR17438	0	0	1	-0.00699555	14.958	14.6743
FBgn00309	32869	CG6961	0	0	1	-0.00702043	14.2556	13.9854
FBgn00325	34748	Bdp1	0	0	1	-0.00705053	17.4855	17.1541
FBgn00112	39049	bol	0	0	1	-0.00714491	60.2425	59.0993
FBgn02597	7354474	CG42393	0	0	1	-0.00715241	200.709	196.898
FBgn02609	32547	tay	0	0	1	-0.00717463	9.08938	8.91653
FBgn02613	37378	Prosalpha3	0	0	1	-0.00721114	81.0192	79.4764
FBgn02621	10178962	asRNA:CR4	0	0	1	-0.0072441	14.4648	14.188
FBgn00397	43574	CG7943	0	0	1	-0.00726251	7.41599	7.27375
FBgn00364	39626	Zip71B	0	0	1	-0.00726403	21.3288	20.9217
FBgn00344	37200	CG15111	0	0	1	-0.00726573	54.5304	53.4903
FBgn00382	41824	Mf	0	0	1	-0.00730999	106.868	104.829
FBgn00360	39186	CG8065	0	0	1	-0.00737165	40.8907	40.1071
FBgn00152	42571	glec	0	0	1	-0.00739412	22.2181	21.7919
FBgn02611	40998	Atg13	0	0	1	-0.00740938	18.8896	18.5272
FBgn00344	37199	CG15118	0	0	1	-0.00741461	39.4	38.6445
FBgn00350	37914	CG4612	0	0	1	-0.00747518	22.6877	22.2517
FBgn00284	39156	I-2	0	0	1	-0.00748127	35.6337	34.9485
FBgn00379	41389	CG5342	0	0	1	-0.00756857	3.8059	3.73184
FBgn00378	41342	ZnT86D	0	0	1	-0.00757963	16.298	15.983
FBgn00248	34780	p38b	0	0	1	-0.0076166	20.645	20.2456
FBgn00209	43664	Ptx1	0	0	1	-0.00762685	5.20157	5.10063

FBgn00347	37534	CG11275	0	0	1	-0.00764267	14.6386	14.3547
FBgn00366	39908	CG7730	0	0	1	-0.00766275	12.6394	12.3942
FBgn00411	41883	Atx2	0	0	1	-0.00772484	15.6356	15.3325
FBgn00365	39685	SCCRO	0	0	1	-0.00773415	29.8588	29.2794
FBgn00253	44108	Optix	0	0	1	-0.00774363	2.9385	2.88086
FBgn00368	40132	CG14100	0	0	1	-0.00774363	5.90865	5.79273
FBgn00133	40186	Nca	0	0	1	-0.00778593	64.7068	63.4488
FBgn02613	35176	Rpn3	0	0	1	-0.00786557	53.8212	52.7726
FBgn02676	26067301	asRNA:CR4	0	0	1	-0.00792965	9.31836	9.13397
FBgn00166	36951	Prosalpha5	0	0	1	-0.00806114	71.4144	70.0129
FBgn02507	40680	kra	0	0	1	-0.00807639	243.138	238.37
FBgn00289	41174	nmdyn-D7	0	0	1	-0.0081277	38.9931	38.2259
FBgn00302	32006	CG15211	0	0	1	-0.00813929	28.0019	27.4503
FBgn00310	33013	CG9572	0	0	1	-0.00819659	3.43621	3.36737
FBgn00270	45784	ThrRS	0	0	1	-0.00820264	35.6224	34.9203
FBgn00202	44072	Ran	0	0	1	-0.00820908	105.249	103.175
FBgn00032	3354888	rl	0	0	1	-0.00828719	12.3886	12.1437
FBgn00402	53554	krz	0	0	1	-0.00829122	19.1292	18.751
FBgn00364	39588	Gbs-70E	0	0	1	-0.0083151	138.662	135.92
FBgn02613	2768732	CG33228	0	0	1	-0.00834551	8.59289	8.4204
FBgn00356	38727	Best2	0	0	1	-0.00837138	26.1446	25.6262
FBgn00041	42920	nAChRbeta	0	0	1	-0.00850084	3.56406	3.49266
FBgn02625	41911	nsl1	0	0	1	-0.00852891	12.7093	12.4559
FBgn00273	41850	MRG15	0	0	1	-0.00853476	11.3729	11.1451
FBgn00109	44030	msn	0	0	1	-0.00862428	22.0483	21.6075
FBgn00040	32584	Prosalpha4	0	0	1	-0.00863955	49.0635	48.0811
FBgn02643	14462618	asRNA:CR4	0	0	1	-0.00866888	26.7531	26.2155
FBgn00381	41646	Droj2	0	0	1	-0.0086925	187.604	183.846
FBgn02643	31550	Ca-alpha1T	0	0	1	-0.00873308	7.84256	7.68515
FBgn00352	38151	Herc4	0	0	1	-0.00879144	64.0603	62.7727
FBgn00528	318246	CG32850	0	0	1	-0.00883311	32.3272	31.6764
FBgn00511	42836	CG31140	0	0	1	-0.00883598	7.93119	7.77134
FBgn02625	36731	Vha14-1	0	0	1	-0.0088832	145.615	142.678
FBgn00400	3772427	primo-2	0	0	1	-0.00891317	32.9891	32.3221

FBgn00400	3772179	primo-1	0	0	1	-0.00891317	32.9891	32.3221
FBgn00395	43318	CG5611	0	0	1	-0.00895041	7.40161	7.25065
FBgn00206	33203	Pi3K21B	0	0	1	-0.00904629	17.5861	17.2293
FBgn00528	318223	CG32814	0	0	1	-0.00904629	0.71856	0.702801
FBgn00539	37088	CG33958	0	0	1	-0.00904629	0.446817	0.437018
FBgn02633	12797906	CR43432	0	0	1	-0.00904629	1.18855	1.16249
FBgn00359	38988	Zasp66	0	0	1	-0.00906595	141.515	138.645
FBgn00005	36271	FBgn00005	0	0	1	-0.00916336	1909.74	1870.89
FBgn00839	4379867	CG34155	0	0	1	-0.00916639	3.10024	3.0364
FBgn00376	41043	CG8202	0	0	1	-0.00917271	7.50022	7.34695
FBgn00394	43180	CG6073	0	0	1	-0.00917614	9.61852	9.42148
FBgn00348	37646	CNBP	0	0	1	-0.00920602	168.458	165.025
FBgn00329	35385	Nbr	0	0	1	-0.00921794	21.9595	21.5111
FBgn00363	39490	CG11251	0	0	1	-0.00922654	35.1536	34.4355
FBgn00275	41330	CG4757	0	0	1	-0.00923339	64.7981	63.4758
FBgn00306	32447	CG9095	0	0	1	-0.00926486	0.828965	0.811671
FBgn00329	35396	Atg18b	0	0	1	-0.00926486	18.374	17.9982
FBgn00337	36423	CG13319	0	0	1	-0.00926486	6.43857	6.30425
FBgn02633	40721	CG11000	0	0	1	-0.00930989	4.35294	4.26366
FBgn00305	32382	CG13404	0	0	1	-0.00934707	9.4994	9.3035
FBgn00829	5740140	snoRNA:Psi	0	0	1	-0.00934707	22.3997	21.9274
FBgn00329	3355138	CG17486	0	0	1	-0.00938247	40.3226	39.4952
FBgn02621	10178866	CG42855	0	0	1	-0.00956664	163.161	159.795
FBgn00152	40388	Rpn10	0	0	1	-0.00957382	73.0363	71.5287
FBgn00363	39450	Hip1	0	0	1	-0.00957382	22.7309	22.2617
FBgn00359	39086	CG3967	0	0	1	-0.00967445	32.459	31.7868
FBgn00532	41225	Mical	0	0	1	-0.00971367	13.6437	13.3609
FBgn00217	32789	scu	0	0	1	-0.00971711	19.2733	18.8722
FBgn00000	47082	FBgn00000	0	0	1	-0.0097496	17.7653	17.3957
FBgn00036	35927	Su(var)2-10	0	0	1	-0.00976355	15.4291	15.1085
FBgn02636	12798245	asRNA:AST	0	0	1	-0.00977116	8.79164	8.6077
FBgn00308	32765	CG15814	0	0	1	-0.00981042	32.6387	31.9594
FBgn00395	43293	bigmax	0	0	1	-0.00989297	16.9346	16.5796
FBgn00033	43327	Sce	0	0	1	-0.00992625	2.86722	2.8061

FBgn00275	33356	CG17712	0	0	1	-0.00994527	9.83687	9.63013
FBgn00409	50467	CG17325	0	0	1	-0.00995758	30.1238	29.493
FBgn02592	7354382	CG42305	0	0	1	-0.00995758	30.1238	29.493
FBgn00155	40896	alpha-Est1(	0	0	1	-0.00995975	27.4502	26.8761
FBgn00339	36674	pcs	0	0	1	-0.00997307	23.3395	22.8509
FBgn00395	43319	Mtl	0	0	1	-0.0101113	28.769	28.1644
FBgn00032	32340	rdgB	0	0	1	-0.0101804	14.0396	13.7441
FBgn02597	42299	CG42359	0	0	1	-0.0101818	19.6028	19.1884
FBgn00357	38750	CG10103	0	0	1	-0.0102201	42.908	42.0032
FBgn00004	31691	Dec-01	0	0	1	-0.0102602	0.275744	0.269578
FBgn00254	35773	slv	0	0	1	-0.0102602	15.4038	15.0776
FBgn00302	32037	CG1537	0	0	1	-0.0102602	0.895954	0.87474
FBgn00526	32239	CG32649	0	0	1	-0.0102602	10.2445	10.0276
FBgn02598	32926	out	0	0	1	-0.0102602	20.3052	19.8764
FBgn00011	36104	Galphao	0	0	1	-0.0103054	20.4767	20.044
FBgn02592	43787	PMCA	0	0	1	-0.0103449	77.7859	76.1408
FBgn00298	31525	CG3726	0	0	1	-0.0103792	3.95221	3.8679
FBgn00357	38755	tow	0	0	1	-0.0103792	4.66742	4.56786
FBgn00327	35177	CG10492	0	0	1	-0.0104179	10.4452	10.2234
FBgn00511	42670	mRRF2	0	0	1	-0.0104545	9.23524	9.03845
FBgn00243	41020	Mkk4	0	0	1	-0.0104703	24.0787	23.567
FBgn00399	43844	Sox102F	0	0	1	-0.0104969	14.4676	14.1597
FBgn00524	326215	SMC5	0	0	1	-0.0105101	15.8765	15.5384
FBgn00342	36955	Mtap	0	0	1	-0.0105241	24.2509	23.7337
FBgn00347	37548	wdp	0	0	1	-0.0106752	49.6189	48.558
FBgn02674	26067113	CR45775	0	0	1	-0.0107229	9.70488	9.4941
FBgn02618	10178885	pre-mod(m	0	0	1	-0.0107576	10.0566	9.84037
FBgn00285	33967	x16	0	0	1	-0.0107893	9.41409	9.21105
FBgn00366	39888	CG9951	0	0	1	-0.0107893	10.7511	10.5194
FBgn02678	26067457	CR46141	0	0	1	-0.0107893	6.83208	6.68058
FBgn00045	38493	Rop	0	0	1	-0.0108311	50.3112	49.2299
FBgn00347	37532	CG6758	0	0	1	-0.010929	10.2066	9.98588
FBgn00034	41746	spn-B	0	0	1	-0.0110025	2.87308	2.80958
FBgn00311	33032	jb	0	0	1	-0.0110025	3.34055	3.26499

FBgn02658	19836084	CR44662	0	0	1	-0.0110025	1.0581	1.03471
FBgn00378	41287	CG14691	0	0	1	-0.011172	12.0988	11.835
FBgn00019	34877	FBgn00019	0	0	1	-0.0112523	6.75909	6.61086
FBgn00025	43154	Kaz-m1	0	0	1	-0.0112584	9.5896	9.37969
FBgn02834	32777	Vps4	0	0	1	-0.0112584	27.1607	26.5687
FBgn00004	31309	dnc	0	0	1	-0.0113096	8.06379	7.88788
FBgn02629	12797952	CR43297	0	0	1	-0.0113239	6.58144	6.43549
FBgn00375	40960	CG9667	0	0	1	-0.0113555	7.65232	7.48296
FBgn00302	31979	PPP4R2r	0	0	1	-0.0114607	18.2535	17.8529
FBgn00326	35063	CG15144	0	0	1	-0.011473	19.6763	19.2446
FBgn00385	3771951	Prx5	0	0	1	-0.0114746	48.129	47.073
FBgn00385	3772662	CG7215	0	0	1	-0.0114746	48.129	47.073
FBgn00308	32715	CG8915	0	0	1	-0.0115033	3.00268	2.93636
FBgn00386	42290	mRpL55	0	0	1	-0.0115033	15.6717	15.3235
FBgn00397	43585	CG11498	0	0	1	-0.0115033	0.94316	0.921662
FBgn00519	12798541	CR31953	0	0	1	-0.0115033	3.30568	3.23033
FBgn00524	40396	CG32441	0	0	1	-0.0115203	57.1221	55.8667
FBgn00300	31817	CG1885	0	0	1	-0.0115774	7.89831	7.7235
FBgn00392	42995	Ythdf	0	0	1	-0.0116792	15.2643	14.9271
FBgn00003	45278	csw	0	0	1	-0.0117331	19.992	19.5502
FBgn00303	32168	Tango4	0	0	1	-0.0117556	2.43737	2.38223
FBgn00307	32609	CG9981	0	0	1	-0.0117556	0.963057	0.941273
FBgn00300	31782	CG12116	0	0	1	-0.0117607	74.4402	72.7933
FBgn00288	34889	CG4168	0	0	1	-0.0118641	2.28215	2.23121
FBgn00169	37356	sktl	0	0	1	-0.0118704	16.6325	16.2631
FBgn02621	34701	CG9932	0	0	1	-0.0118856	28.8635	28.2228
FBgn00223	43797	Pur-alpha	0	0	1	-0.0119646	52.2704	51.107
FBgn00196	40684	Atu	0	0	1	-0.012024	5.72454	5.5961
FBgn00445	318249	mRpS21	0	0	1	-0.0120282	44.1978	43.2085
FBgn00217	31778	org-1	0	0	1	-0.0121362	0.919562	0.8984
FBgn00346	37439	CG15666	0	0	1	-0.0121362	1.06622	1.04168
FBgn00356	38662	CG5592	0	0	1	-0.0121362	1.92415	1.87987
FBgn00333	35898	CG8229	0	0	1	-0.0122101	80.6367	78.8287
FBgn00361	39226	Aps	0	0	1	-0.0122105	71.9401	70.3272

FBgn00385	42173	Arp5	0	0	1	-0.0122127	17.0555	16.6724
FBgn00372	40545	CG9795	0	0	1	-0.0122183	20.072	19.6214
FBgn00863	37216	Tab2	0	0	1	-0.0122348	9.65118	9.43422
FBgn00338	36510	CG13334	0	0	1	-0.0123041	10.1274	9.89887
FBgn00373	40630	CG12173	0	0	1	-0.0123102	10.0065	9.77922
FBgn00398	43761	CG2003	0	0	1	-0.0123102	8.62915	8.43417
FBgn00338	36455	FLASH	0	0	1	-0.0123123	18.4899	18.0736
FBgn00230	318856	dtr	0	0	1	-0.0123315	20.5948	20.1312
FBgn00003	34882	ck	0	0	1	-0.012367	7.52626	7.35651
FBgn00333	35845	CG8642	0	0	1	-0.0125197	1.07957	1.05401
FBgn00613	3772640	CG33786	0	0	1	-0.0125197	3.14918	3.07629
FBgn00613	3772344	CG33785	0	0	1	-0.0125197	3.14918	3.07629
FBgn02658	19835359	CR44678	0	0	1	-0.0125197	1.6207	1.58233
FBgn00354	38470	CG14985	0	0	1	-0.0125694	4.19776	4.10196
FBgn00275	35878	ana2	0	0	1	-0.0125789	7.14583	6.98246
FBgn00400	32920	Vav	0	0	1	-0.0126309	7.31472	7.14832
FBgn00341	36875	CG5267	0	0	1	-0.0126338	14.6917	14.3554
FBgn00358	38864	CG12262	0	0	1	-0.0127282	85.7608	83.8073
FBgn00112	43284	TfIIA-L	0	0	1	-0.01274	33.52	32.7556
FBgn00253	31393	CG12179	0	0	1	-0.0127525	26.7154	26.1065
FBgn02621	10178809	CG42854	0	0	1	-0.0128761	3.44523	3.36507
FBgn00202	40606	laf	0	0	1	-0.0129018	15.1914	14.843
FBgn00231	36306	SmD3	0	0	1	-0.0129287	35.9168	35.0917
FBgn00338	36463	fsd	0	0	1	-0.0129613	13.4671	13.1564
FBgn00363	39469	CG10748	0	0	1	-0.0129808	19.5325	19.0828
FBgn02618	36109	whd	0	0	1	-0.0129889	64.8791	63.3903
FBgn00205	33265	kraken	0	0	1	-0.0129943	30.0606	29.3694
FBgn00378	41300	CG4089	0	0	1	-0.0130118	4.26313	4.16425
FBgn00003	33834	chic	0	0	1	-0.0130141	156.951	153.347
FBgn00289	34932	CG18518	0	0	1	-0.0130213	13.3165	13.0089
FBgn02663	19834821	asRNA:CR4	0	0	1	-0.0130353	9.02645	8.81593
FBgn02640	34038	Slob	0	0	1	-0.0130461	7.68668	7.50979
FBgn00206	39417	ArfGAP1	0	0	1	-0.0131121	15.2436	14.8917
FBgn00152	42993	Hr96	0	0	1	-0.0131524	12.8731	12.5756

FBgn00152	44353	Shark	0	0	1	-0.0131574	6.295	6.14924
FBgn02678	26067451	asRNA:CR4	0	0	1	-0.0132317	4.78284	4.67166
FBgn00353	38330	CG1246	0	0	1	-0.0132467	23.7511	23.2011
FBgn00326	35076	elfless	0	0	1	-0.0132578	25.0479	24.4676
FBgn02666	19835521	asRNA:CR4	0	0	1	-0.013275	20.3003	19.828
FBgn00517	35163	CG31792	0	0	1	-0.013295	0.88677	0.865774
FBgn00540	38106	CG34056	0	0	1	-0.013295	5.99666	5.85628
FBgn00520	3772244	CR32010	0	0	1	-0.0133439	5.63385	5.5028
FBgn00001	45827	bic	0	0	1	-0.0133892	155.562	151.95
FBgn00526	318153	CG32686	0	0	1	-0.0133958	31.2206	30.4953
FBgn00535	33270	PNUTS	0	0	1	-0.0134345	41.2591	40.2998
FBgn02644	39153	CG43897	0	0	1	-0.0134572	108.622	106.096
FBgn00504	36929	CG30456	0	0	1	-0.0134717	19.1615	18.7151
FBgn00400	38680	yip7	0	0	1	-0.0134838	542.044	529.427
FBgn00005	38091	emc	0	0	1	-0.0134979	41.2417	40.2805
FBgn00320	34209	CG9483	0	0	1	-0.0135618	38.6572	37.7532
FBgn02648	33211	AP-2alpha	0	0	1	-0.0135971	23.5089	22.9595
FBgn00220	45682	eIF3h	0	0	1	-0.0137067	98.9401	96.6212
FBgn00384	8674030	CG17931	0	0	1	-0.0137333	70.0946	68.4501
FBgn00376	41092	Ada	0	0	1	-0.0137657	8.68181	8.47624
FBgn00353	38325	CG16986	0	0	1	-0.0138467	136.429	133.218
FBgn00386	42214	Vha100-4	0	0	1	-0.0138935	5.9935	5.85159
FBgn00258	42491	Cortactin	0	0	1	-0.0139555	29.8949	29.1888
FBgn00012	48239	ImpE3	0	0	1	-0.0140819	1.39795	1.36295
FBgn00229	42166	Cbp20	0	0	1	-0.0140819	17.4718	17.0546
FBgn00310	32997	SkpE	0	0	1	-0.0140819	2.69096	2.62431
FBgn00353	38341	Non2	0	0	1	-0.0140819	35.959	35.106
FBgn00356	38616	Ir64a	0	0	1	-0.0140819	0.140111	0.135984
FBgn00378	41346	CG6693	0	0	1	-0.0140819	34.8798	34.0524
FBgn00385	42144	CG17801	0	0	1	-0.0140819	0.2963	0.287572
FBgn00531	36449	CG33137	0	0	1	-0.0140819	0.580234	0.563143
FBgn00829	5740703	snoRNA:M	0	0	1	-0.0140819	19.8618	19.3644
FBgn00830	5740581	snoRNA:Psi	0	0	1	-0.0140819	2.61946	2.54231
FBgn00854	5740854	CG34409	0	0	1	-0.0140819	3.15242	3.07683

FBgn00862	39304	CG6084	0	0	1	-0.0140819	154.572	150.911
FBgn00868	33193	CG11555	0	0	1	-0.0140819	14.6052	14.2571
FBgn02619	10178808	snoRNA:Or	0	0	1	-0.0140819	3.97237	3.85536
FBgn02621	10178924	betaNACte	0	0	1	-0.0140819	1.23078	1.19822
FBgn02626	12797970	CG43156	0	0	1	-0.0140819	2.27508	2.21489
FBgn02660	39825	CG44836	0	0	1	-0.0140819	0.623345	0.607907
FBgn00329	35445	Clamp	0	0	1	-0.0142687	34.1991	33.3843
FBgn02508	246602	roh	0	0	1	-0.0142702	105.809	103.288
FBgn00852	5740297	CG34256	0	0	1	-0.0142709	21.3841	20.8723
FBgn00839	43181	CG34129	0	0	1	-0.0142965	44.3418	43.2833
FBgn00380	41522	CG5196	0	0	1	-0.0143263	11.5691	11.2923
FBgn00105	46035	Ccs	0	0	1	-0.0143382	12.2952	11.9998
FBgn00331	35691	Corin	0	0	1	-0.0143763	3.52022	3.43593
FBgn00203	31011	Dredd	0	0	1	-0.0143936	23.1667	22.6121
FBgn00332	35793	RagC-D	0	0	1	-0.0144104	30.1268	29.4054
FBgn00529	326244	CG32985	0	0	1	-0.0144342	31.2363	30.4882
FBgn00369	40178	CG8004	0	0	1	-0.0144353	14.0376	13.7002
FBgn00385	42196	CG8064	0	0	1	-0.0145121	4.93636	4.81732
FBgn00398	43779	yellow-h	0	0	1	-0.0145121	9.52154	9.29192
FBgn00136	19893529	mt:ND2	0	0	1	-0.0146651	30.9233	30.1769
FBgn00229	37562	qkr58E-2	0	0	1	-0.0147055	21.6052	21.0838
FBgn00346	37517	Synj	0	0	1	-0.0147198	10.1502	9.90506
FBgn00166	41569	Past1	0	0	1	-0.0147579	63.0545	61.5319
FBgn00006	36527	fl(2)d	0	0	1	-0.0147756	17.9244	17.4908
FBgn00370	40343	CG12975	0	0	1	-0.0147756	14.1472	13.8022
FBgn00311	33049	CG1812	0	0	1	-0.0148008	13.2876	12.9658
FBgn02608	39090	Bet3	0	0	1	-0.0148673	20.9353	20.4266
FBgn00153	44637	cutlet	0	0	1	-0.0148805	1.18582	1.15645
FBgn00347	37588	CG3732	0	0	1	-0.0149082	8.85757	8.64122
FBgn00395	43295	CG3339	0	0	1	-0.01497	0.70325	0.686034
FBgn00248	36125	stan	0	0	1	-0.0149903	1.2532	1.2226
FBgn00285	34775	CG18507	0	0	1	-0.0149935	12.1519	11.8561
FBgn00369	40173	Mtr3	0	0	1	-0.0150227	10.4524	10.1966
FBgn00407	5740215	CG13177	0	0	1	-0.0150227	11.9171	11.6254

FBgn00854	42638	CG34376	0	0	1	-0.0151574	14.9326	14.5675
FBgn00397	43521	Vps16B	0	0	1	-0.0151739	5.52136	5.38517
FBgn00320	34221	CG13101	0	0	1	-0.0151995	10.4122	10.1564
FBgn00359	39091	Nf-YA	0	0	1	-0.0152264	3.92404	3.82707
FBgn00864	35192	l(2)37Cb	0	0	1	-0.0152966	4.5431	4.43104
FBgn00328	35282	CG10680	0	0	1	-0.0153391	223.917	218.423
FBgn00135	46326	l(2)dtl	0	0	1	-0.0154196	0.859457	0.837533
FBgn02592	40305	Pka-R1	0	0	1	-0.0154332	29.6202	28.8914
FBgn00304	32299	GstT4	0	0	1	-0.0154484	133.312	130.031
FBgn02666	19835005	CR45184	0	0	1	-0.0154663	33.6639	32.8345
FBgn00347	37596	CG13510	0	0	1	-0.0155202	34.1405	33.2981
FBgn00347	37597	CG13511	0	0	1	-0.0155202	34.1405	33.2981
FBgn02607	37598	CG42565	0	0	1	-0.0155202	34.1405	33.2981
FBgn00291	34634	Patsas	0	0	1	-0.0155428	1.70267	1.65982
FBgn00515	40567	CG31522	0	0	1	-0.0155501	56.3829	54.9913
FBgn02625	38352	Shab	0	0	1	-0.0155689	7.67441	7.48479
FBgn00502	50129	CG30222	0	0	1	-0.0155786	33.7796	32.9443
FBgn00325	34759	CG16848	0	0	1	-0.0156283	16.6422	16.2289
FBgn00388	42460	Syp	0	0	1	-0.015671	83.2538	81.1928
FBgn00383	41832	CG4210	0	0	1	-0.0156911	14.0256	13.6751
FBgn00326	35046	CG5043	0	0	1	-0.015763	59.5358	58.0573
FBgn00115	42745	fzo	0	0	1	-0.0157911	44.565	43.4574
FBgn00343	37124	rswl	0	0	1	-0.0157955	12.3819	12.0729
FBgn00314	33429	CG18641	0	0	1	-0.0159143	4.69139	4.57331
FBgn02607	8674105	CR42545	0	0	1	-0.015943	11.898	11.5962
FBgn00336	36201	Fbl6	0	0	1	-0.0159802	10.544	10.2802
FBgn00392	43004	PQBP1	0	0	1	-0.0160032	9.22615	8.99326
FBgn00260	31130	Adar	0	0	1	-0.016043	15.459	15.0723
FBgn00362	39337	CG11597	0	0	1	-0.0160455	7.63141	7.43944
FBgn00288	34977	jhamt	0	0	1	-0.0162094	6.73785	6.56663
FBgn00048	33602	bowl	0	0	1	-0.0162325	8.38096	8.16983
FBgn00300	31839	CG7766	0	0	1	-0.0162587	29.8637	29.1123
FBgn00367	39957	Edc3	0	0	1	-0.0162884	10.3299	10.0694
FBgn00367	39986	CG5567	0	0	1	-0.0162928	50.95	49.6657

FBgn00331	35673	CG11127	0	0	1	-0.0163957	8.97531	8.74731
FBgn00004	41022	Dhod	0	0	1	-0.0164204	87.0089	84.8097
FBgn00347	37581	Vps20	0	0	1	-0.0165694	31.7348	30.9276
FBgn00500	246437	CG30075	0	0	1	-0.0165779	7.00109	6.82047
FBgn02636	39757	Tasp1	0	0	1	-0.0165931	7.39277	7.20418
FBgn02652	38788	Dscam2	0	0	1	-0.0165981	4.65777	4.53939
FBgn00444	3772100	Pmi	0	0	1	-0.016692	8.8451	8.61946
FBgn00346	37458	CG10433	0	0	1	-0.0167581	136.057	132.589
FBgn02651	14462462	CR44236	0	0	1	-0.0167912	3.79181	3.69148
FBgn02654	19834923	CR44332	0	0	1	-0.0167912	2.71947	2.64487
FBgn00524	41636	CG32473	0	0	1	-0.016966	47.6841	46.4616
FBgn00275	32660	goe	0	0	1	-0.0169707	12.7636	12.4358
FBgn00313	33384	CG12674	0	0	1	-0.0170754	15.2149	14.8221
FBgn00516	33931	CG31633	0	0	1	-0.0170964	19.0356	18.5446
FBgn00303	32179	CG2750	0	0	1	-0.0171376	34.9092	34.0101
FBgn00421	59223	MCU	0	0	1	-0.0171395	10.4692	10.1992
FBgn00155	33109	tty	0	0	1	-0.0171784	5.36708	5.22848
FBgn00852	5740417	CG34242	0	0	1	-0.0171895	21.133	20.5825
FBgn00581	3354941	CG40178	0	0	1	-0.01721	31.1333	30.3296
FBgn00344	37223	CG9416	0	0	1	-0.0172202	12.3381	12.0191
FBgn00420	33963	CG13773	0	0	1	-0.0172202	4.52725	4.40847
FBgn00516	318886	CG31687	0	0	1	-0.0172269	5.42345	5.28318
FBgn02674	19835300	asRNA:CR4	0	0	1	-0.0173496	0.573596	0.558086
FBgn02676	26067287	asRNA:CR4	0	0	1	-0.0173496	1.17914	1.14726
FBgn00402	53566	Kat60	0	0	1	-0.0174092	16.0342	15.6177
FBgn00319	34013	CG5149	0	0	1	-0.0175064	17.0971	16.6516
FBgn00399	43810	CG11360	0	0	1	-0.0175411	16.4447	16.0166
FBgn00335	36170	CG12391	0	0	1	-0.0176931	9.34292	9.09799
FBgn00388	42463	CG17271	0	0	1	-0.0177124	29.3014	28.5346
FBgn00325	34756	CG10859	0	0	1	-0.0177706	95.1642	92.6727
FBgn00307	32663	CG9609	0	0	1	-0.0177722	4.09366	3.98535
FBgn02666	19834981	asRNA:CR4	0	0	1	-0.0178701	8.08331	7.86763
FBgn02626	12798276	CG43139	0	0	1	-0.0179137	9.33045	9.08177
FBgn02834	32785	Dhc16F	0	0	1	-0.0179315	4.83632	4.70905

FBgn00352	38150	CG9186	0	0	1	-0.017933	42.9477	41.8176
FBgn00317	33772	CG7382	0	0	1	-0.0179543	29.6228	28.8414
FBgn00316	33652	CG15440	0	0	1	-0.017961	11.0409	10.7487
FBgn00379	41373	CG5276	0	0	1	-0.0179929	44.6302	43.4543
FBgn00354	38396	CG12034	0	0	1	-0.0180487	31.9016	31.0594
FBgn00310	32961	CG14221	0	0	1	-0.018198	0.349599	0.339302
FBgn00341	36909	AsnRS-m	0	0	1	-0.018198	6.06041	5.89859
FBgn00359	39056	CG4476	0	0	1	-0.018198	0.926886	0.901459
FBgn00379	41461	Spt3	0	0	1	-0.018198	3.20922	3.12275
FBgn00853	5740878	CG34280	0	0	1	-0.018198	1.9228	1.86616
FBgn02656	19835604	CR44495	0	0	1	-0.018198	0.943827	0.916026
FBgn00234	31557	Rbcn-3A	0	0	1	-0.018221	12.5316	12.1996
FBgn00334	35956	Myd88	0	0	1	-0.0182211	19.2099	18.7007
FBgn00158	39313	TfIIEalpha	0	0	1	-0.0183203	8.07454	7.85889
FBgn00030	31221	Raf	0	0	1	-0.0184176	6.87472	6.69128
FBgn00362	39422	CG10660	0	0	1	-0.0184341	20.5841	20.0352
FBgn00205	32228	ade5	0	0	1	-0.0184653	72.9841	71.039
FBgn00248	40242	kin17	0	0	1	-0.0185656	18.0083	17.5258
FBgn02618	10178888	pre-mod(m	0	0	1	-0.0185764	10.3524	10.075
FBgn02618	10178960	pre-mod(m	0	0	1	-0.0185764	10.3524	10.075
FBgn00241	44098	rasp	0	0	1	-0.0186271	8.92537	8.68532
FBgn00000	42037	abd-A	0	0	1	-0.018812	2.85834	2.78112
FBgn00275	42793	CG10254	0	0	1	-0.0189437	71.0594	69.1431
FBgn00299	31689	CG1409	0	0	1	-0.0189575	10.1481	9.87085
FBgn00338	36551	Ctf4	0	0	1	-0.0189807	2.76561	2.69023
FBgn00398	43756	CG11576	0	0	1	-0.0190126	19.1605	18.642
FBgn00159	40014	grim	0	0	1	-0.0190596	4.36984	4.25039
FBgn00289	34784	CG16863	0	0	1	-0.0190596	1.65323	1.60755
FBgn00326	35116	MESR3	0	0	1	-0.0190596	37.2653	36.2566
FBgn00288	34949	CG4892	0	0	1	-0.0191	17.6672	17.1865
FBgn00417	35215	Pax	0	0	1	-0.0191041	34.5877	33.6509
FBgn00339	36620	CG12868	0	0	1	-0.0192335	54.0369	52.5662
FBgn00361	39221	galla-2	0	0	1	-0.0192395	17.1083	16.6402
FBgn00363	39495	CG17687	0	0	1	-0.0192592	4.70955	4.58112

FBgn00335	36126	CG12309	0	0	1	-0.0192974	99.1208	96.4236
FBgn00153	40530	abs	0	0	1	-0.0193762	16.3773	15.9299
FBgn00306	32496	CG8105	0	0	1	-0.0193762	5.19269	5.04977
FBgn00289	34935	CG7653	0	0	1	-0.0194909	24.816	24.137
FBgn00275	35929	CG18659	0	0	1	-0.0195617	29.6954	28.8819
FBgn00371	40415	Rpb8	0	0	1	-0.0196414	16.033	15.59
FBgn00412	37725	Gr59e	0	0	1	-0.0196414	0.903714	0.877095
FBgn00337	36415	CG17574	0	0	1	-0.019659	24.7917	24.1104
FBgn00336	36277	PI31	0	0	1	-0.0196857	104.512	101.641
FBgn02618	42130	osa	0	0	1	-0.019705	9.53509	9.27291
FBgn00326	35048	CG5050	0	0	1	-0.0197282	104.582	101.705
FBgn00385	42140	CG7379	0	0	1	-0.0197358	12.8374	12.4832
FBgn00311	33102	CG1494	0	0	1	-0.0197634	4.87086	4.73643
FBgn00525	26067084	CR32582	0	0	1	-0.0197745	11.666	11.3417
FBgn00006	43383	fkh	0	0	1	-0.0198416	13.8871	13.5037
FBgn00157	42284	P5cr	0	0	1	-0.02002	9.78468	9.51188
FBgn02659	19835588	asRNA:CR4	0	0	1	-0.0200335	17.8207	17.3267
FBgn00305	32375	mRpL38	0	0	1	-0.0200607	9.22248	8.96531
FBgn00345	37305	MED8	0	0	1	-0.0201195	16.4587	15.9996
FBgn00386	42265	EndoA	0	0	1	-0.0201324	29.8182	28.9898
FBgn00517	34736	CG31729	0	0	1	-0.0201933	53.4942	52.0065
FBgn00375	40965	DNApol-iot	0	0	1	-0.0203231	9.19548	8.93832
FBgn00230	40162	cyc	0	0	1	-0.0203369	12.4574	12.1084
FBgn00349	37794	CG5339	0	0	1	-0.0203773	8.30382	8.07013
FBgn00381	41649	CG14377	0	0	1	-0.0203773	5.86574	5.69897
FBgn00395	43289	CG5934	0	0	1	-0.0203773	11.2432	10.9264
FBgn00538	3772618	His2A:CG33	0	0	1	-0.0203773	2.93295	2.84656
FBgn02616	10178864	CG42711	0	0	1	-0.0203773	1.47095	1.42762
FBgn02620	34179	d	0	0	1	-0.0203773	0.236536	0.229569
FBgn00333	35846	Cirl	0	0	1	-0.0203895	29.9896	29.1515
FBgn02651	37419	Glycogenin	0	0	1	-0.0204468	34.1883	33.2313
FBgn00112	41785	eff	0	0	1	-0.0204529	218.893	212.768
FBgn00389	42629	CG13855	0	0	1	-0.020454	18.2641	17.7521
FBgn00243	31082	CG12773	0	0	1	-0.0204961	12.3974	12.0496

FBgn00504	35704	CG30491	0	0	1	-0.0205413	24.6995	24.0054
FBgn00112	48572	Hsp60B	0	0	1	-0.0205485	151.958	147.695
FBgn00300	31842	AP-1gamm	0	0	1	-0.0205655	13.4455	13.0679
FBgn00391	42823	tbrd-1	0	0	1	-0.0205701	27.0494	26.2891
FBgn00117	36879	Arp53D	0	0	1	-0.0206126	65.6219	63.7772
FBgn00421	59149	CG18765	0	0	1	-0.0206247	2.64398	2.56791
FBgn02650	14462481	asRNA:CR4	0	0	1	-0.0206247	24.6881	23.9903
FBgn00367	39995	Tsp74F	0	0	1	-0.0206803	30.223	29.3712
FBgn02642	14462658	asRNA:CR4	0	0	1	-0.0206956	6.5595	6.37206
FBgn00389	42652	Octbeta1R	0	0	1	-0.0207869	3.32341	3.22927
FBgn00384	42031	CG14907	0	0	1	-0.0207931	39.2519	38.1426
FBgn00309	32862	CG12609	0	0	1	-0.0208084	23.1845	22.529
FBgn00308	32720	CG8661	0	0	1	-0.0208235	18.9348	18.397
FBgn00369	40200	CG7365	0	0	1	-0.0208235	8.72912	8.48153
FBgn00852	5740474	CG34171	0	0	1	-0.0208235	6.05392	5.88119
FBgn00364	39567	Sox21a	0	0	1	-0.0209355	2.50081	2.42907
FBgn00421	317813	CG18789	0	0	1	-0.0210075	20.5597	19.9751
FBgn00324	34621	CG6770	0	0	1	-0.0210606	1854.66	1802
FBgn00032	40739	Rm62	0	0	1	-0.0211445	108.397	105.313
FBgn00309	32852	CG6617	0	0	1	-0.0212019	14.0298	13.6279
FBgn00852	5740205	CG34261	0	0	1	-0.0212019	17.4315	16.9322
FBgn00403	31070	CG11398	0	0	1	-0.0212384	1.56631	1.52092
FBgn00100	37628	RpL23	0	0	1	-0.0212461	304.282	295.602
FBgn00309	32836	GalNAc-T2	0	0	1	-0.0212732	9.96125	9.67642
FBgn02663	19836006	CR45033	0	0	1	-0.0212732	17.0617	16.5696
FBgn00340	36768	CG8399	0	0	1	-0.0212937	13.7252	13.3324
FBgn00310	32972	CG14223	0	0	1	-0.0213377	0.734727	0.713086
FBgn00262	43793	bip2	0	0	1	-0.0213884	41.2664	40.0852
FBgn00334	35996	CG12926	0	0	1	-0.0214292	30.6141	29.7357
FBgn02621	38065	trh	0	0	1	-0.0214993	1.05627	1.02556
FBgn00314	33478	CG3123	0	0	1	-0.021566	3.14792	3.05634
FBgn00396	43434	Cul5	0	0	1	-0.0215709	12.168	11.8177
FBgn00202	42186	14-3-3epsil	0	0	1	-0.0215856	197.942	192.252
FBgn00166	40292	Pitslre	0	0	1	-0.0215931	47.5845	46.2161

FBgn00387	42394	CG10889	0	0	1	-0.0216254	1.49512	1.45108
FBgn00326	35082	CG15152	0	0	1	-0.0216473	49.7136	48.2793
FBgn00267	41872	CG6171	0	0	1	-0.0216857	24.362	23.6579
FBgn00387	42388	PIG-L	0	0	1	-0.0217698	13.4327	13.044
FBgn00398	43699	CG1750	0	0	1	-0.0218092	3.69892	3.58997
FBgn02673	43343	mil	0	0	1	-0.0218118	215.989	209.746
FBgn02619	43276	CG42813	0	0	1	-0.0218491	27.6844	26.8822
FBgn00157	36791	Lis-1	0	0	1	-0.0218751	50.2673	48.812
FBgn02670	19834804	CR45522	0	0	1	-0.0218783	3.4237	3.32285
FBgn00331	35702	CG17985	0	0	1	-0.0219088	12.277	11.92
FBgn00830	26067039	CG33947	0	0	1	-0.0219231	35.9517	34.908
FBgn00336	36255	pyr	0	0	1	-0.0219445	10.4058	10.1035
FBgn00387	42399	CG10887	0	0	1	-0.0219475	10.9549	10.6363
FBgn00407	50257	karr	0	0	1	-0.0219871	10.8601	10.5402
FBgn00379	41394	CG6808	0	0	1	-0.0219985	6.59277	6.40073
FBgn00382	41724	CG9722	0	0	1	-0.0220615	30.3371	29.4531
FBgn00398	43678	CG11318	0	0	1	-0.0220688	8.40033	8.15534
FBgn00361	39278	CG7557	0	0	1	-0.0220861	70.6853	68.6282
FBgn02612	32644	sing	0	0	1	-0.0221024	5.42418	5.2654
FBgn02625	12798515	CG43092	0	0	1	-0.0221324	54.2652	52.6824
FBgn00156	44643	Cnx99A	0	0	1	-0.0221453	76.7442	74.5086
FBgn00337	36427	Sans	0	0	1	-0.022225	4.17464	4.05167
FBgn00457	326187	S-Lap3	0	0	1	-0.02224	370.638	359.821
FBgn00202	42672	loco	0	0	1	-0.0222915	7.41654	7.19955
FBgn00863	43700	spn-F	0	0	1	-0.0223364	29.6667	28.7975
FBgn00528	31089	CG32813	0	0	1	-0.0224241	5.78686	5.61684
FBgn02639	41788	jvl	0	0	1	-0.0224961	14.3975	13.9746
FBgn00324	34735	Uvrag	0	0	1	-0.022506	9.61093	9.32784
FBgn00311	33060	CG1324	0	0	1	-0.0225779	105.253	102.156
FBgn00513	41280	CG31391	0	0	1	-0.0226071	53.247	51.6786
FBgn00351	38100	CG13890	0	0	1	-0.0226439	22.0844	21.4321
FBgn00354	38435	CG10357	0	0	1	-0.0226439	0.625711	0.605256
FBgn00382	41790	CG14856	0	0	1	-0.0226439	0.528589	0.511895
FBgn00524	318046	mthl14	0	0	1	-0.0226439	28.6843	27.8383

FBgn00538	3772565	His2A:CG33	0	0	1	-0.0226439	2.87654	2.78725
FBgn00854	5740693	CG34453	0	0	1	-0.0226439	1.49879	1.45146
FBgn02637	14462600	CR43661	0	0	1	-0.0226439	0.678209	0.653662
FBgn02648	14462354	asRNA:CR4	0	0	1	-0.0226439	12.8836	12.5
FBgn02658	19835188	CR44646	0	0	1	-0.0226439	1.10857	1.06844
FBgn02675	26067256	asRNA:CR4	0	0	1	-0.0226439	2.75454	2.67148
FBgn00405	34689	ACXC	0	0	1	-0.0226913	39.5331	38.3668
FBgn00356	38638	Blimp-1	0	0	1	-0.022744	7.89403	7.66072
FBgn00363	39485	Syx13	0	0	1	-0.0228498	9.53602	9.25249
FBgn00365	39722	DCP2	0	0	1	-0.0228878	32.1375	31.1853
FBgn00329	35420	Cul2	0	0	1	-0.0228954	50.4268	48.9323
FBgn02594	39293	Mob2	0	0	1	-0.022903	20.5051	19.8971
FBgn00030	31429	ovo	0	0	1	-0.022943	1.50682	1.46183
FBgn00301	31943	CG2972	0	0	1	-0.0231201	7.62487	7.39661
FBgn00349	37846	FBgn00349	0	0	1	-0.0231337	845.809	820.615
FBgn00527	50395	CG32736	0	0	1	-0.023146	19.2074	18.6319
FBgn02592	7354414	CG42308	0	0	1	-0.023146	19.2074	18.6319
FBgn00867	39523	Vps36	0	0	1	-0.0232502	12.2713	11.9031
FBgn00055	43812	ey	0	0	1	-0.0232852	2.79561	2.71145
FBgn00256	31074	CG32812	0	0	1	-0.0233083	3.08011	2.98662
FBgn00371	40468	laza	0	0	1	-0.023318	10.6976	10.3767
FBgn00532	2768986	CG33287	0	0	1	-0.0233528	32.9566	31.9694
FBgn00361	39234	Blos2	0	0	1	-0.0233885	13.8817	13.4624
FBgn00532	2769005	CG33233	0	0	1	-0.0234028	38.4342	37.2812
FBgn00397	43647	CG15543	0	0	1	-0.0234197	24.3024	23.5725
FBgn00367	39922	CG6512	0	0	1	-0.0234776	71.8129	69.6567
FBgn00326	35040	CG6380	0	0	1	-0.0234977	118.03	114.484
FBgn00033	41168	Scm	0	0	1	-0.0235314	12.9568	12.5669
FBgn00500	246383	CG30001	0	0	1	-0.0235762	2.68217	2.59978
FBgn00327	35206	CG10750	0	0	1	-0.0235921	35.9336	34.8503
FBgn00298	31560	CG3781	0	0	1	-0.0236003	14.6781	14.234
FBgn00310	32966	Rcd-1	0	0	1	-0.0236452	36.5783	35.475
FBgn00528	318226	CG32817	0	0	1	-0.0236807	7.25799	7.03658
FBgn00352	38186	CG13917	0	0	1	-0.0236843	11.3849	11.0414

FBgn00307	32665	Rrp45	0	0	1	-0.0237209	5.63898	5.46742
FBgn00019	34888	stc	0	0	1	-0.0237323	19.2667	18.6846
FBgn00011	37805	Galphas	0	0	1	-0.0237508	32.8887	31.8944
FBgn02666	19834882	asRNA:CR4	0	0	1	-0.0238035	59.4354	57.6358
FBgn02677	26067359	CR46040	0	0	1	-0.0238116	15.8784	15.3919
FBgn02631	35552	bin3	0	0	1	-0.023839	10.3561	10.0424
FBgn02663	19835690	asRNA:CR4	0	0	1	-0.0238784	26.8981	26.0803
FBgn00291	44001	Sucb	0	0	1	-0.0238799	27.0419	26.2215
FBgn00049	40993	Arl2	0	0	1	-0.0239024	28.3152	27.4538
FBgn00330	35488	CG10465	0	0	1	-0.0239116	68.004	65.9412
FBgn02625	19836114	CR43100	0	0	1	-0.0239337	16.2132	15.7181
FBgn00354	38373	CG11537	0	0	1	-0.0239618	20.0047	19.3973
FBgn00350	37918	CG13585	0	0	1	-0.0239707	48.3083	46.8401
FBgn00503	246589	CG30395	0	0	1	-0.0239908	48.4435	46.972
FBgn00321	34257	CG4438	0	0	1	-0.0240844	29.9295	29.0164
FBgn00300	31798	CG12065	0	0	1	-0.0241189	16.2106	15.7162
FBgn00504	246651	CG30495	0	0	1	-0.0241228	3.48479	3.3775
FBgn00005	32585	eas	0	0	1	-0.0241395	43.9785	42.6384
FBgn00306	2768877	CG5541	0	0	1	-0.0241501	44.1543	42.8081
FBgn00336	36301	Hen1	0	0	1	-0.0242061	13.5939	13.1778
FBgn00055	34352	RpL7	0	0	1	-0.0242922	556.418	539.41
FBgn00524	38103	Usp10	0	0	1	-0.0243057	14.79	14.3375
FBgn00102	31872	Dsor1	0	0	1	-0.024328	7.71289	7.47571
FBgn00369	40267	mag	0	0	1	-0.024328	37.634	36.4813
FBgn00007	33110	fliI	0	0	1	-0.0245072	8.54878	8.2858
FBgn00538	3772276	His2B:CG33	0	0	1	-0.0245236	2.94423	2.84995
FBgn00045	41363	pros	0	0	1	-0.0245513	4.93083	4.77918
FBgn00359	39095	phol	0	0	1	-0.0245513	7.24746	7.02402
FBgn00370	40296	CG11396	0	0	1	-0.0245671	19.5393	18.9371
FBgn00301	31879	CG17440	0	0	1	-0.0246243	5.1763	5.01519
FBgn00380	41539	CG5509	0	0	1	-0.0246975	26.6306	25.8063
FBgn02610	42103	Dscam3	0	0	1	-0.024758	2.04172	1.97841
FBgn00364	39666	Ran-like	0	0	1	-0.0247789	79.333	76.8801
FBgn00354	38379	CG15812	0	0	1	-0.0247847	7.71488	7.47541

FBgn00390	42693	Dcr-1	0	0	1	-0.0248314	5.74795	5.56987
FBgn00199	37586	Cdk9	0	0	1	-0.0248886	10.0789	9.76531
FBgn00299	31657	CG4617	0	0	1	-0.0248886	4.08156	3.95392
FBgn00266	41870	ldlCp	0	0	1	-0.0248904	30.1215	29.188
FBgn00867	35099	ncm	0	0	1	-0.0248967	18.9474	18.3601
FBgn00377	41197	CG9471	0	0	1	-0.0249015	26.3232	25.5055
FBgn00137	36546	Cp1	0	0	1	-0.024915	206.059	199.674
FBgn00387	42413	CG4360	0	0	1	-0.0249256	12.3178	11.9354
FBgn00117	32724	B-H1	0	0	1	-0.0250032	0.5104	0.493715
FBgn00392	43014	CG13650	0	0	1	-0.0250032	10.5727	10.2437
FBgn00854	5740489	CG34430	0	0	1	-0.0250032	1.74884	1.69167
FBgn02660	19835764	CR44778	0	0	1	-0.0250032	3.0329	2.93628
FBgn00031	41094	pum	0	0	1	-0.0250924	7.29457	7.06751
FBgn00310	32968	Sec61gamr	0	0	1	-0.0251386	78.9596	76.4985
FBgn00502	246522	CG30275	0	0	1	-0.0251847	16.4135	15.9015
FBgn00104	37895	SerT	0	0	1	-0.0252713	1.70199	1.64823
FBgn00530	32625	P5CDh2	0	0	1	-0.0254099	83.1835	80.5778
FBgn00276	38420	Ythdc1	0	0	1	-0.0254866	25.5672	24.7646
FBgn00354	38390	CG14966	0	0	1	-0.0255289	13.7849	13.3482
FBgn00155	40899	alpha-Est8	0	0	1	-0.0255368	28.4056	27.5128
FBgn00369	40220	CG17233	0	0	1	-0.0256908	4.75889	4.60859
FBgn00355	38520	CG11586	0	0	1	-0.0256951	26.5347	25.6967
FBgn02615	10178839	CG42690	0	0	1	-0.0256951	15.3902	14.9035
FBgn02628	12798124	CG43195	0	0	1	-0.0256951	15.3902	14.9035
FBgn02610	8673981	Sfp26Ad	0	0	1	-0.0258014	192.193	186.12
FBgn00535	38668	CG33523	0	0	1	-0.0258051	60.4871	58.5763
FBgn00368	40099	CG14085	0	0	1	-0.0258112	0.348997	0.337192
FBgn00852	5740103	CG34216	0	0	1	-0.0258112	6.62811	6.41732
FBgn02634	12798244	snoRNA:Pi4	0	0	1	-0.0258112	6.39033	6.17417
FBgn02655	19834720	CG44385	0	0	1	-0.0258112	6.86742	6.64838
FBgn02678	26067458	CR46142	0	0	1	-0.0258112	1.3773	1.33071
FBgn02678	26067453	asRNA:CR4	0	0	1	-0.0259042	60.1683	58.2586
FBgn00376	41101	CG16736	0	0	1	-0.0259235	11.2084	10.851
FBgn00516	33690	smog	0	0	1	-0.0259296	3.15726	3.05691

FBgn00002	33611	capu	0	0	1	-0.0259371	32.0801	31.0638
FBgn00365	39695	CG13449	0	0	1	-0.0259576	17.5645	17.0068
FBgn00504	246652	CG30496	0	0	1	-0.0259649	15.6624	15.1651
FBgn00373	40638	CG1161	0	0	1	-0.0259693	29.1734	28.247
FBgn00376	41034	Cks85A	0	0	1	-0.0259741	6.97004	6.74837
FBgn00302	31995	CG2111	0	0	1	-0.0260215	7.76205	7.51498
FBgn02616	36395	nemy	0	0	1	-0.026036	25.5029	24.6929
FBgn00385	42139	pasi1	0	0	1	-0.0260441	16.8621	16.3243
FBgn02597	35938	CG42382	0	0	1	-0.0260441	5.5299	5.35177
FBgn00333	35849	Gle1	0	0	1	-0.0260948	10.5901	10.2526
FBgn00370	40294	Pex14	0	0	1	-0.0261147	36.2666	35.1119
FBgn00355	38543	DOR	0	0	1	-0.0261347	68.3435	66.1694
FBgn00299	31629	CG4557	0	0	1	-0.0262193	4.32547	4.18696
FBgn00400	53562	tara	0	0	1	-0.0262193	4.04355	3.91426
FBgn02599	8674028	Sfp24Bd	0	0	1	-0.0262193	58.4373	56.5696
FBgn00380	41551	Snx3	0	0	1	-0.0262545	52.8176	51.1325
FBgn00296	31315	CG16781	0	0	1	-0.0262566	30.4993	29.5254
FBgn02619	41017	5-HT2B	0	0	1	-0.0263139	0.715691	0.69248
FBgn00296	31321	Gas8	0	0	1	-0.0263248	10.7145	10.3714
FBgn00346	37453	CG10494	0	0	1	-0.0263449	7.87364	7.62108
FBgn00379	41426	HisCl1	0	0	1	-0.0263798	4.29279	4.15433
FBgn00312	33236	Ipk2	0	0	1	-0.0264009	17.334	16.7778
FBgn00275	43505	Wdr24	0	0	1	-0.0264137	4.91915	4.76094
FBgn00501	246506	CG30184	0	0	1	-0.0264656	2.13367	2.06248
FBgn02669	19834995	asRNA:CR4	0	0	1	-0.0264656	9.39412	9.08702
FBgn00359	39069	CG4452	0	0	1	-0.026485	21.2902	20.6068
FBgn00030	44010	Pgm	0	0	1	-0.0265515	152.914	148.007
FBgn00278	43426	Cpsf100	0	0	1	-0.0265818	9.77977	9.46488
FBgn00300	31812	CG1789	0	0	1	-0.0265818	13.8063	13.3604
FBgn02597	7354420	CG42376	0	0	1	-0.0267251	32.8195	31.7592
FBgn00321	34306	CG4537	0	0	1	-0.0267483	6.15566	5.95145
FBgn00382	41825	Gyc88E	0	0	1	-0.0267483	2.53049	2.4485
FBgn02675	26067200	asRNA:CR4	0	0	1	-0.0267483	10.42	10.0794
FBgn00378	41272	Cyp12e1	0	0	1	-0.0268802	18.5091	17.9098

FBgn02615	32953	FBgn02615	0	0	1	-0.026903	168.608	163.157
FBgn00045	38495	Akh	0	0	1	-0.0269059	11.6725	11.291
FBgn00143	38424	sty	0	0	1	-0.0269059	9.8177	9.49998
FBgn00332	35757	CG14763	0	0	1	-0.0269208	25.7787	24.943
FBgn00375	40953	CG11035	0	0	1	-0.0269256	20.781	20.1079
FBgn00376	41083	CG11986	0	0	1	-0.0269294	12.9779	12.5564
FBgn00362	39403	CG4300	0	0	1	-0.0269638	31.8473	30.8157
FBgn00389	42586	Idh3b	0	0	1	-0.0269731	92.0089	89.0301
FBgn00513	41377	sals	0	0	1	-0.0270064	18.5601	17.9584
FBgn00148	35332	Hr38	0	0	1	-0.0270554	1.67114	1.61666
FBgn00276	42957	CG5808	0	0	1	-0.0270554	6.30174	6.09631
FBgn00136	19893552	mt:ND4L	0	0	1	-0.0270761	15.48	14.9699
FBgn00397	43531	CG15514	0	0	1	-0.0271273	11.4354	11.0625
FBgn00320	34164	CG13385	0	0	1	-0.0271328	34.3202	33.204
FBgn02643	39018	orb2	0	0	1	-0.0271431	64.0941	62.0123
FBgn00500	36736	CG30089	0	0	1	-0.0271545	3.27545	3.1686
FBgn00306	32530	mRpS30	0	0	1	-0.0271664	28.489	27.5622
FBgn02661	19836214	asRNA:CR4	0	0	1	-0.0271974	7.66298	7.41111
FBgn00378	41297	CG14687	0	0	1	-0.0272034	82.33	79.6497
FBgn00140	31448	Rnp4F	0	0	1	-0.0272841	8.89509	8.60467
FBgn00403	31043	CG3704	0	0	1	-0.0273386	9.39734	9.08937
FBgn00512	42129	CG31249	0	0	1	-0.0273386	12.1063	11.7095
FBgn00839	4379887	CG34124	0	0	1	-0.0273651	8.75591	8.46986
FBgn00399	43794	Asator	0	0	1	-0.02745	17.7669	17.1859
FBgn00249	31001	CG4293	0	0	1	-0.0274609	6.68054	6.46103
FBgn00362	39356	CG7248	0	0	1	-0.0274609	0.255595	0.246344
FBgn00398	43676	CG11317	0	0	1	-0.0274609	5.37943	5.20228
FBgn00538	3771785	His2A:CG33	0	0	1	-0.0274609	2.76374	2.66865
FBgn02646	14462352	CR43956	0	0	1	-0.0274609	3.32019	3.20002
FBgn00312	33233	CG2794	0	0	1	-0.0275545	24.1953	23.4019
FBgn00150	35635	Cyp9b2	0	0	1	-0.0275956	108.708	105.143
FBgn02669	38367	CG32486	0	0	1	-0.0276529	65.539	63.3871
FBgn00511	10178892	asRNA:CR3	0	0	1	-0.0276919	175.594	169.823
FBgn00324	34699	CG9934	0	0	1	-0.0277712	33.0711	31.9826

FBgn00010	32545	Gapdh2	0	0	1	-0.0278361	309.302	299.112
FBgn00580	19988923	ARY	0	0	1	-0.0278877	14.6624	14.1772
FBgn02667	19834985	asRNA:CR4	0	0	1	-0.0279188	7.97395	7.70837
FBgn00304	2768909	CG15744	0	0	1	-0.0280211	2.48265	2.40019
FBgn00350	37933	CG3565	0	0	1	-0.0280915	49.2105	47.5784
FBgn00400	53439	pont	0	0	1	-0.0281735	35.3993	34.2238
FBgn00324	34622	Plzf	0	0	1	-0.0281821	4.48368	4.33385
FBgn00518	326164	CG31826	0	0	1	-0.0281821	17.7075	17.1181
FBgn00513	326135	CG31357	0	0	1	-0.0282014	15.4003	14.8878
FBgn00523	317967	CG32305	0	0	1	-0.0282184	3.94623	3.81455
FBgn00389	42579	CG17819	0	0	1	-0.0282434	37.922	36.6588
FBgn00373	40716	Hat1	0	0	1	-0.028264	40.8494	39.4906
FBgn00361	39275	CG11726	0	0	1	-0.0283126	31.1976	30.1576
FBgn00354	38412	Strip	0	0	1	-0.0283216	38.9841	37.6866
FBgn00387	42422	eIF3g2	0	0	1	-0.028353	23.9438	23.1443
FBgn00511	261631	Rpb7	0	0	1	-0.028353	15.4237	14.9072
FBgn00381	41673	Lkb1	0	0	1	-0.0283716	21.1381	20.4333
FBgn00278	43228	ball	0	0	1	-0.0283727	10.3709	10.0244
FBgn00289	49806	Spn38F	0	0	1	-0.0283749	299.536	289.559
FBgn00467	249072	Liprin-alpha	0	0	1	-0.0284401	10.3289	9.98412
FBgn00006	37089	fj	0	0	1	-0.028473	0.477669	0.461066
FBgn00367	39936	Cad74A	0	0	1	-0.028473	2.53906	2.45399
FBgn00368	40086	CG14079	0	0	1	-0.028473	1.68274	1.62425
FBgn02631	42608	CG34377	0	0	1	-0.028473	0.320764	0.309615
FBgn02667	19835037	CR45212	0	0	1	-0.028473	5.12448	4.94636
FBgn00331	35600	Spn42Dc	0	0	1	-0.0285744	28.492	27.5379
FBgn00258	37555	wrapper	0	0	1	-0.0286302	4.51488	4.36255
FBgn02637	14462585	CG43691	0	0	1	-0.0286913	9.34219	9.02847
FBgn00323	34576	CG14930	0	0	1	-0.0287287	12.6831	12.255
FBgn00033	45928	shi	0	0	1	-0.0287385	44.693	43.1933
FBgn00525	2768879	FBgn00525	0	0	1	-0.0287961	12.0307	11.6245
FBgn00863	41641	poly	0	0	1	-0.0288105	44.1109	42.6274
FBgn00305	32334	CG11134	0	0	1	-0.028889	23.1722	22.39
FBgn00004	42313	Dl	0	0	1	-0.0288931	2.5341	2.44838

FBgn02674	26067110	CR45772	0	0	1	-0.0289552	29.9099	28.8992
FBgn02613	8673965	CG42638	0	0	1	-0.0290197	16.7655	16.1991
FBgn00372	40507	CG11109	0	0	1	-0.029025	11.859	11.4573
FBgn02679	26067570	CR46260	0	0	1	-0.0291572	0.359568	0.346553
FBgn02639	38020	Dic61B	0	0	1	-0.0292254	13.0929	12.6485
FBgn02645	19835596	asRNA:CR4	0	0	1	-0.0293138	11.6887	11.2902
FBgn00242	43402	WASp	0	0	1	-0.0293235	15.8831	15.3433
FBgn02630	12798088	CG43341	0	0	1	-0.0293385	6.22974	6.01597
FBgn00403	43799	Ephrin	0	0	1	-0.029367	22.2317	21.4761
FBgn00169	33982	snRNP-U1-	0	0	1	-0.0293726	11.1396	10.7604
FBgn00312	33260	CG3662	0	0	1	-0.0293797	156.47	151.153
FBgn00329	35383	CG9249	0	0	1	-0.0294079	17.65	17.0478
FBgn00357	38745	CG8519	0	0	1	-0.0294224	6.24669	6.0326
FBgn00371	40411	CG11248	0	0	1	-0.0294463	19.0509	18.402
FBgn00651	3772042	snmRNA:1	0	0	1	-0.0294652	121.853	117.691
FBgn00540	3885597	CG34005	0	0	1	-0.0295022	4.88819	4.71828
FBgn02508	3355150	AGO3	0	0	1	-0.0296787	5.68016	5.48529
FBgn00038	43359	betaTub97	0	0	1	-0.0297422	23.7301	22.9168
FBgn00352	38156	msd5	0	0	1	-0.029786	4.43581	4.28106
FBgn00580	26067089	CR40005	0	0	1	-0.0298858	10.5379	10.1744
FBgn00286	246543	Vha100-3	0	0	1	-0.0299252	34.0216	32.8525
FBgn00056	35864	gcl	0	0	1	-0.0299442	8.95485	8.64627
FBgn02663	19835428	asRNA:CR4	0	0	1	-0.0299626	26.936	26.006
FBgn00010	35728	Gapdh1	0	0	1	-0.0300067	107.938	104.224
FBgn00013	35084	kel	0	0	1	-0.0300234	12.187	11.7672
FBgn02671	19834978	CR45599	0	0	1	-0.0300234	2.01619	1.94321
FBgn00249	42689	Irp-1A	0	0	1	-0.0300393	19.4897	18.8181
FBgn00035	33379	Su(dx)	0	0	1	-0.0301776	21.6924	20.9433
FBgn00313	33371	CG15362	0	0	1	-0.0301776	14.194	13.7012
FBgn00368	40039	Dic4	0	0	1	-0.0302618	8.24524	7.95892
FBgn02615	42171	cdm	0	0	1	-0.0302644	17.0335	16.4441
FBgn00403	31235	Vha36-3	0	0	1	-0.0302708	13.9033	13.4208
FBgn00303	32124	prtp	0	0	1	-0.0303233	45.8882	44.299
FBgn00380	41500	Tim17a1	0	0	1	-0.0303272	31.8103	30.707

FBgn00345	246485	galla-1	0	0	1	-0.0304032	22.3582	21.5822
FBgn00332	35778	CG8712	0	0	1	-0.0305293	42.6707	41.1867
FBgn00357	38791	CG14826	0	0	1	-0.0305491	2.53932	2.44925
FBgn00539	3885628	Ir62a	0	0	1	-0.0305491	6.505	6.27758
FBgn00307	32615	CG9947	0	0	1	-0.0305744	31.1067	30.0236
FBgn00403	31178	CG16903	0	0	1	-0.0305868	9.7955	9.45354
FBgn00306	32462	CG9123	0	0	1	-0.0306006	8.71576	8.41101
FBgn00377	41198	Whamy	0	0	1	-0.0306345	15.3547	14.8191
FBgn00377	41229	CG12811	0	0	1	-0.0306497	21.2851	20.5414
FBgn00399	43835	fuss	0	0	1	-0.0306633	6.73487	6.49962
FBgn02644	14462888	asRNA:CR4	0	0	1	-0.0306687	32.8484	31.6997
FBgn00377	41222	CG5359	0	0	1	-0.0306812	4.11478	3.96956
FBgn02599	8673979	CG42470	0	0	1	-0.0306812	10.2362	9.87495
FBgn02636	14462851	CG43638	0	0	1	-0.0307177	141.928	136.976
FBgn00335	36121	CG11883	0	0	1	-0.0307795	8.60813	8.307
FBgn00148	36889	Psi	0	0	1	-0.030798	13.1458	12.6863
FBgn00299	31660	CG9650	0	0	1	-0.030798	0.715751	0.690454
FBgn02609	8674069	CG42585	0	0	1	-0.0308251	19.0447	18.3772
FBgn02609	3354896	vtd	0	0	1	-0.030841	34.948	33.7255
FBgn00286	42641	Rpn7	0	0	1	-0.0308735	60.2243	58.1162
FBgn00038	37888	betaTub60	0	0	1	-0.0308972	49.0315	47.3148
FBgn00388	42436	Srp14	0	0	1	-0.0309729	18.1582	17.5167
FBgn02624	41880	Rbp	0	0	1	-0.0310182	4.51907	4.36031
FBgn00400	3355144	RpL38	0	0	1	-0.0311064	373.097	359.987
FBgn00402	53556	dbo	0	0	1	-0.0311251	13.9642	13.4728
FBgn00530	326254	CG33099	0	0	1	-0.0312433	14.037	13.5406
FBgn00313	33365	CG7295	0	0	1	-0.0313461	52.6064	50.7479
FBgn02508	7354422	CG42239	0	0	1	-0.0313787	63.7689	61.5115
FBgn00376	41104	VhaM8.9	0	0	1	-0.0314816	165.4	159.546
FBgn00526	31942	ZAP3	0	0	1	-0.0314899	12.3801	11.9416
FBgn00033	37843	sei	0	0	1	-0.031566	13.7506	13.2626
FBgn00315	33540	CG9664	0	0	1	-0.031573	19.6376	18.9408
FBgn00532	2768988	CG33285	0	0	1	-0.031577	25.4138	24.5099
FBgn00378	41353	Arfip	0	0	1	-0.0315985	11.5722	11.1606

FBgn00027	37523	mei-S332	0	0	1	-0.031614	23.6919	22.8501
FBgn00048	38469	scrt	0	0	1	-0.0316351	5.66856	5.46715
FBgn00117	43770	Ank	0	0	1	-0.031667	77.7995	75.0368
FBgn00304	32215	Aven	0	0	1	-0.0317118	3.04099	2.93092
FBgn00298	31609	CG14442	0	0	1	-0.0318341	5.85692	5.64783
FBgn00199	43838	mGluR	0	0	1	-0.0318438	4.70229	4.5344
FBgn00152	40378	Hr78	0	0	1	-0.0318624	21.6363	20.8642
FBgn00104	34367	Ror	0	0	1	-0.0319731	2.20396	2.12418
FBgn00304	32242	mRpL49	0	0	1	-0.0320182	13.8314	13.334
FBgn00314	33443	ND-B17.2	0	0	1	-0.0320556	123.935	119.499
FBgn00310	32991	Alr	0	0	1	-0.0320819	13.0254	12.5575
FBgn00307	32651	CG9672	0	0	1	-0.0320933	7.38773	7.12033
FBgn00044	3772064	DNApol-ga	0	0	1	-0.0321913	18.3311	17.6723
FBgn00641	3772218	GatC	0	0	1	-0.0321913	18.3311	17.6723
FBgn00328	35255	CG10268	0	0	1	-0.0322619	7.21624	6.95505
FBgn00298	31597	CG3226	0	0	1	-0.0322704	38.1641	36.7909
FBgn00369	40228	FRG1	0	0	1	-0.0323569	11.8247	11.3967
FBgn00411	34651	Pkd2	0	0	1	-0.0324569	13.8905	13.3893
FBgn00104	32635	RpS19a	0	0	1	-0.0324642	149.521	144.131
FBgn00863	33905	Sec61alpha	0	0	1	-0.0324757	92.6581	89.317
FBgn00243	31079	Naa30A	0	0	1	-0.0325172	17.2147	16.5927
FBgn00000	47763	Abd-B	0	0	1	-0.0325762	2.54695	2.45477
FBgn00013	40287	kni	0	0	1	-0.0326976	2.69906	2.60027
FBgn00144	34052	Acp1	0	0	1	-0.0326976	0.356495	0.340752
FBgn00242	31665	brk	0	0	1	-0.0326976	3.12541	3.01153
FBgn00310	32930	kek5	0	0	1	-0.0326976	4.83159	4.65634
FBgn00330	35550	CG17994	0	0	1	-0.0326976	0.173594	0.165928
FBgn00342	37022	Ir54a	0	0	1	-0.0326976	0.686042	0.659932
FBgn00356	38622	Lkr	0	0	1	-0.0326976	1.81265	1.74621
FBgn00514	43464	CR31427	0	0	1	-0.0326976	0.823376	0.791513
FBgn00529	318273	CG32987	0	0	1	-0.0326976	2.86915	2.76295
FBgn02618	10178930	CG42759	0	0	1	-0.0326976	0.852012	0.814387
FBgn02647	19835160	CR43991	0	0	1	-0.0326976	0.567481	0.542421
FBgn02657	19835049	CR44515	0	0	1	-0.0326976	2.38726	2.29791

FBgn02660	19835531	CR44784	0	0	1	-0.0326976	0.440104	0.420669
FBgn02663	19834906	CR44979	0	0	1	-0.0326976	1.12453	1.07487
FBgn02668	19834887	CR45283	0	0	1	-0.0326976	0.293544	0.280581
FBgn02668	19835273	CR45332	0	0	1	-0.0326976	0.345619	0.330356
FBgn02671	19836202	CR45574	0	0	1	-0.0326976	0.642589	0.614212
FBgn02672	19836083	CR45732	0	0	1	-0.0326976	0.813058	0.781594
FBgn00354	38429	CG14971	0	0	1	-0.0327943	15.5643	14.999
FBgn02674	38160	Ptp61F	0	0	1	-0.0327957	12.247	11.8025
FBgn00380	41520	Cyp9f2	0	0	1	-0.0328442	183.89	177.215
FBgn00516	318868	CG31644	0	0	1	-0.0328539	95.3612	91.8947
FBgn00006	36521	CG17716	0	0	1	-0.0329165	2.78159	2.68009
FBgn00382	41784	CG7530	0	0	1	-0.0329936	23.2667	22.4191
FBgn00309	32902	CG7556	0	0	1	-0.0330845	9.76547	9.40864
FBgn00391	42905	Golgin84	0	0	1	-0.0331938	36.4521	35.1193
FBgn00580	3355079	CG40045	0	0	1	-0.0332104	105.715	101.85
FBgn02626	41062	pyd	0	0	1	-0.0332424	11.483	11.0631
FBgn00034	31442	snf	0	0	1	-0.0332606	31.0035	29.8668
FBgn02615	10178806	CG42656	0	0	1	-0.0333077	70.2253	67.6453
FBgn00256	31171	CG4281	0	0	1	-0.0334751	12.3167	11.8636
FBgn00142	37187	prod	0	0	1	-0.0335961	10.1511	9.77601
FBgn00148	40849	Mlp84B	0	0	1	-0.0336133	58.424	56.2728
FBgn02678	26067461	asRNA:CR4	0	0	1	-0.033615	9.34537	8.9985
FBgn00378	41321	Tengl4	0	0	1	-0.0336247	44.692	43.0449
FBgn00397	43645	eIF4H2	0	0	1	-0.0336586	73.6743	70.9591
FBgn00354	38464	CG14982	0	0	1	-0.0336991	1.69489	1.63184
FBgn00530	42467	Synd	0	0	1	-0.0337014	60.1453	57.927
FBgn00307	32593	CG9915	0	0	1	-0.0337146	7.15767	6.89292
FBgn02632	32748	chas	0	0	1	-0.0337416	4.30195	4.14291
FBgn00370	40271	ZnT77C	0	0	1	-0.0337844	9.25424	8.9116
FBgn00370	40350	CG12974	0	0	1	-0.0338647	39.5098	38.048
FBgn00393	43083	CG5112	0	0	1	-0.0338662	70.9739	68.3482
FBgn00351	38028	mri	0	0	1	-0.0339013	20.8989	20.1243
FBgn00297	31409	CG15472	0	0	1	-0.0339238	18.9581	18.2547
FBgn00403	31179	Unc-76	0	0	1	-0.0339795	21.5338	20.7354

FBgn00363	39501	CG10171	0	0	1	-0.0340319	26.6612	25.6711
FBgn00373	40727	CG1208	0	0	1	-0.0340644	25.6257	24.6738
FBgn00044	38128	LysE	0	0	1	-0.0341238	17.5949	16.937
FBgn00307	32571	CG12395	0	0	1	-0.0341831	22.1449	21.3189
FBgn00297	31466	CG12730	0	0	1	-0.0341887	15.5053	14.9273
FBgn00512	42325	CG31221	0	0	1	-0.0341905	42.6747	41.087
FBgn00312	33222	CG4297	0	0	1	-0.0342592	11.9015	11.458
FBgn00202	34565	mre11	0	0	1	-0.0342786	9.15835	8.81598
FBgn02591	7354427	CG42287	0	0	1	-0.0342786	17.4981	16.8416
FBgn00367	40005	Cyp312a1	0	0	1	-0.0343093	60.8901	58.6199
FBgn00385	42165	CG7218	0	0	1	-0.0343227	28.244	27.1901
FBgn00403	31037	CG3711	0	0	1	-0.0343587	10.6351	10.2378
FBgn00347	37565	CG10344	0	0	1	-0.0343757	18.2495	17.5665
FBgn00220	44702	Vha36-1	0	0	1	-0.0344254	158.764	152.832
FBgn00356	38722	CG8219	0	0	1	-0.0344289	18.7756	18.0735
FBgn02655	32063	CG44422	0	0	1	-0.0344473	2.23567	2.15185
FBgn02615	40205	CG42674	0	0	1	-0.0344578	5.2321	5.03635
FBgn00339	36593	CG8613	0	0	1	-0.0345333	32.6336	31.4116
FBgn00391	42855	CG10694	0	0	1	-0.034546	18.3271	17.6386
FBgn00866	3771813	snoRNA:Psi	0	0	1	-0.034546	13.9033	13.3653
FBgn02674	26067047	Mst77Y-9	0	0	1	-0.034546	2.94918	2.83506
FBgn00527	31877	Erk7	0	0	1	-0.0346801	32.0946	30.8899
FBgn00390	42692	Takl2	0	0	1	-0.0347167	7.76067	7.46665
FBgn02654	19835044	asRNA:CR4	0	0	1	-0.0347167	14.9417	14.3756
FBgn00249	31269	Syx4	0	0	1	-0.0347645	16.5147	15.8928
FBgn00398	43738	CG1896	0	0	1	-0.0348352	10.1902	9.80386
FBgn00521	39537	CG32137	0	0	1	-0.0348418	20.059	19.3035
FBgn00321	34307	mtDNA-hel	0	0	1	-0.0349222	3.32547	3.19891
FBgn00394	43249	CG17191	0	0	1	-0.0349222	1.47962	1.42159
FBgn02626	38251	Tmhs	0	0	1	-0.0349222	1.97533	1.8994
FBgn00379	41442	CG14731	0	0	1	-0.0349888	5.3941	5.18941
FBgn00334	36075	CG12912	0	0	1	-0.0351529	2.9845	2.8712
FBgn00321	34249	CG17005	0	0	1	-0.0351931	9.80823	9.43578
FBgn00286	43616	aralar1	0	0	1	-0.0352414	31.0188	29.8427

FBgn00525	3346150	CG32547	0	0	1	-0.0352715	0.924858	0.88925
FBgn00385	42152	CG12347	0	0	1	-0.0353088	15.2425	14.6618
FBgn00291	44790	TwdlT	0	0	1	-0.035323	3.44338	3.31117
FBgn00363	39438	sowah	0	0	1	-0.0353611	9.54265	9.17947
FBgn00624	43668	Ctr1C	0	0	1	-0.0353767	7.90236	7.59979
FBgn00350	37966	CG3589	0	0	1	-0.0354369	9.76055	9.38802
FBgn00318	33991	Mnn1	0	0	1	-0.0355208	17.5867	16.9165
FBgn00357	38741	axed	0	0	1	-0.0356099	9.07542	8.72858
FBgn00699	3355108	CG41128	0	0	1	-0.0356903	77.0029	74.0551
FBgn00032	43873	ras	0	0	1	-0.0357019	16.9498	16.3014
FBgn00302	31996	CG12637	0	0	1	-0.0357509	20.7877	19.9905
FBgn00316	33685	CG12194	0	0	1	-0.0358035	16.6648	16.026
FBgn02655	19835579	asRNA:CR4	0	0	1	-0.0358343	13.9992	13.4589
FBgn00301	31922	CG9689	0	0	1	-0.0358399	16.1295	15.5104
FBgn00304	32301	Set2	0	0	1	-0.0358844	9.06107	8.71351
FBgn00040	38002	uzip	0	0	1	-0.0358923	16.9381	16.2883
FBgn00368	40036	Chmp1	0	0	1	-0.0359258	56.7295	54.5517
FBgn00175	44207	ND-23	0	0	1	-0.0359488	106.914	102.81
FBgn00390	42778	beat-IV	0	0	1	-0.035953	2.99761	2.88186
FBgn00114	42177	Ssdp	0	0	1	-0.0360179	13.1403	12.6351
FBgn00336	36281	rho-7	0	0	1	-0.036038	27.7884	26.7191
FBgn00348	37731	Rrp4	0	0	1	-0.0360644	2.83691	2.72566
FBgn00526	326224	betaNACte	0	0	1	-0.0360644	3.33564	3.20483
FBgn00001	34946	BicC	0	0	1	-0.0360795	16.377	15.7467
FBgn00332	35804	CG2291	0	0	1	-0.0361388	70.5385	67.8205
FBgn00107	40699	Xe7	0	0	1	-0.036224	36.7381	35.3212
FBgn00046	31187	wapl	0	0	1	-0.03624	4.23366	4.07007
FBgn00634	246581	GstE9	0	0	1	-0.0363587	192.352	184.917
FBgn02611	39244	APP-BP1	0	0	1	-0.0363692	50.0578	48.122
FBgn00397	43634	CG9702	0	0	1	-0.0364157	31.7652	30.5356
FBgn00110	40859	Sas-4	0	0	1	-0.0364497	2.76875	2.66071
FBgn00263	32531	Rhp	0	0	1	-0.0364497	6.51306	6.26003
FBgn00308	32773	CG6788	0	0	1	-0.0364497	0.822108	0.788115
FBgn00362	39388	CG9760	0	0	1	-0.0364497	1.89559	1.82101

FBgn02667	19835310	CR45199	0	0	1	-0.0364497	1.45226	1.39221
FBgn00355	38571	CG7514	0	0	1	-0.0364822	32.4644	31.2053
FBgn00400	3355127	Slmap	0	0	1	-0.0364959	117.635	113.079
FBgn00328	35355	CG9336	0	0	1	-0.0365432	266.895	256.547
FBgn00334	36006	CG1698	0	0	1	-0.0365476	6.23041	5.98829
FBgn00309	32882	CG7326	0	0	1	-0.0366589	4.63443	4.45347
FBgn02625	36826	Vha44	0	0	1	-0.0366871	85.3205	82.0047
FBgn00311	33079	CG15449	0	0	1	-0.0367263	5.88845	5.65621
FBgn02650	14462554	CR44170	0	0	1	-0.036802	5.04491	4.84491
FBgn00389	42646	Nrx-1	0	0	1	-0.036813	8.70661	8.36734
FBgn00512	318638	CG31231	0	0	1	-0.0369185	52.4987	50.4496
FBgn00330	35535	CCHa2-R	0	0	1	-0.0369345	0.87162	0.836752
FBgn02653	19835586	asRNA:CR4	0	0	1	-0.0369345	9.35312	8.98358
FBgn00235	31214	CG2924	0	0	1	-0.0369412	23.3053	22.3949
FBgn02507	40639	Prosbeta7	0	0	1	-0.0369579	83.2367	79.9853
FBgn02617	31976	nocte	0	0	1	-0.0369954	5.77685	5.55096
FBgn00249	31255	Csat	0	0	1	-0.037047	9.457	9.08613
FBgn00339	36639	CG10151	0	0	1	-0.037047	3.33723	3.20576
FBgn00526	326232	Tango5	0	0	1	-0.0370702	17.5015	16.8163
FBgn00300	31771	CG10555	0	0	1	-0.0370873	4.16456	4.00114
FBgn02662	19835209	CR44950	0	0	1	-0.037097	5.43587	5.22081
FBgn00525	326223	Twdlalpha	0	0	1	-0.037183	12.6095	12.1135
FBgn00348	37737	Eglp2	0	0	1	-0.037334	5.70046	5.47447
FBgn00311	33096	CG14579	0	0	1	-0.0374008	49.0223	47.092
FBgn02676	26067297	asRNA:CR4	0	0	1	-0.0374547	17.4736	16.7834
FBgn00363	39512	CG14109	0	0	1	-0.0376331	49.1602	47.2163
FBgn00331	35684	CG1602	0	0	1	-0.0376366	3.87625	3.72185
FBgn00323	3771749	CG14929	0	0	1	-0.0377817	17.3305	16.6429
FBgn00383	41876	Ccm3	0	0	1	-0.0377841	47.8959	45.9983
FBgn00302	32070	CG1657	0	0	1	-0.0377908	12.668	12.166
FBgn00364	39608	CG9384	0	0	1	-0.0379153	13.3546	12.8243
FBgn00261	31890	BCL7-like	0	0	1	-0.0379286	7.11875	6.83474
FBgn00056	42848	Rox8	0	0	1	-0.0379437	30.5595	29.3459
FBgn02600	8674004	CG42495	0	0	1	-0.0379533	6.33514	6.07976

FBgn00330	35554	Pld	0	0	1	-0.0379702	9.61902	9.23657
FBgn00386	42230	CG7694	0	0	1	-0.0379734	36.1232	34.6866
FBgn00347	37635	EMC8-9	0	0	1	-0.0379859	50.5403	48.53
FBgn00699	3355165	CG40485	0	0	1	-0.0379859	5.11057	4.90613
FBgn00317	33805	CG11030	0	0	1	-0.0379902	7.603	7.30037
FBgn00299	31729	CG2258	0	0	1	-0.038033	6.42814	6.1722
FBgn02590	39617	DCX-EMAP	0	0	1	-0.0380607	1.12239	1.07723
FBgn00864	35194	AsnRS	0	0	1	-0.038105	34.1289	32.7695
FBgn00257	37781	TBPH	0	0	1	-0.0381318	12.721	12.2136
FBgn00521	39944	CG32176	0	0	1	-0.0381774	16.932	16.256
FBgn02632	44448	scrib	0	0	1	-0.0381775	12.8321	12.3206
FBgn00510	318555	CG31010	0	0	1	-0.0382393	57.1875	54.9044
FBgn02664	42064	GckIII	0	0	1	-0.0382528	14.5996	14.016
FBgn02628	35546	Ptr	0	0	1	-0.0382869	5.15421	4.94802
FBgn00500	246442	Ir51b	0	0	1	-0.0384112	3.19295	3.0638
FBgn00860	5740202	snoRNA:M	0	0	1	-0.0384112	5.77118	5.51632
FBgn00869	33194	mbm	0	0	1	-0.0384112	6.90414	6.6265
FBgn02626	26067098	CR43150	0	0	1	-0.0384112	1.28518	1.22842
FBgn02645	14462899	CR43929	0	0	1	-0.0384112	1.27713	1.22073
FBgn02647	14462864	CR43973	0	0	1	-0.0384112	3.65029	3.49935
FBgn02671	19836249	CR45578	0	0	1	-0.0384112	1.0247	0.979448
FBgn00327	35156	L2HGDH	0	0	1	-0.038465	36.4702	35.0087
FBgn00532	2769006	CG33234	0	0	1	-0.0384931	15.3	14.6854
FBgn02666	37142	Sec6	0	0	1	-0.0385646	10.348	9.9319
FBgn02591	39145	CG42268	0	0	1	-0.0386308	19.2812	18.5067
FBgn00351	38104	CG13907	0	0	1	-0.0386599	24.3918	23.4115
FBgn00361	39260	CG7616	0	0	1	-0.038669	28.7415	27.5857
FBgn00303	32131	Karl	0	0	1	-0.0386963	2.44453	2.34535
FBgn00332	35726	CG12825	0	0	1	-0.0387123	97.5845	93.6568
FBgn02606	8674023	CG42535	0	0	1	-0.0387439	16.9975	16.31
FBgn00522	326202	CG32228	0	0	1	-0.0387936	10.026	9.62152
FBgn00231	37849	RpL39	0	0	1	-0.0388157	885.563	849.889
FBgn00526	10178944	CR32690	0	0	1	-0.0388679	243.35	233.538
FBgn02631	38376	BtbVII	0	0	1	-0.0389044	10.1066	9.69865

FBgn00392	42983	Trf4-2	0	0	1	-0.0390078	29.1003	27.9232
FBgn00370	40341	CG10510	0	0	1	-0.0390859	32.6872	31.3634
FBgn00348	37751	sigmar	0	0	1	-0.0390964	21.9363	21.0476
FBgn00351	38057	mthl10	0	0	1	-0.0391526	17.9348	17.2079
FBgn00346	37470	PIG-M	0	0	1	-0.0392268	54.5225	52.3107
FBgn02597	7354410	CG42379	0	0	1	-0.0392268	54.5225	52.3107
FBgn02597	7354411	CG42380	0	0	1	-0.0392268	54.5225	52.3107
FBgn00306	32540	CG8578	0	0	1	-0.0392702	12.9803	12.4523
FBgn02674	43690	chp	0	0	1	-0.0393038	47.0121	45.103
FBgn02609	38648	scny	0	0	1	-0.0393266	21.3658	20.4976
FBgn02639	3771905	CG43736	0	0	1	-0.0393299	7.09473	6.8063
FBgn00299	31714	CG15332	0	0	1	-0.0393368	4.10921	3.94102
FBgn02619	46006	east	0	0	1	-0.03948	10.9496	10.5035
FBgn00392	42933	Syx18	0	0	1	-0.0394837	16.0437	15.3887
FBgn00036	37476	Tbp	0	0	1	-0.039617	5.69363	5.45945
FBgn00045	36905	Cbp53E	0	0	1	-0.039617	27.6147	26.487
FBgn00362	39367	CG6928	0	0	1	-0.039617	8.57325	8.22241
FBgn00370	40307	CG3288	0	0	1	-0.039617	5.20608	4.99081
FBgn00383	41841	Amt	0	0	1	-0.039617	0.878268	0.840982
FBgn00223	36041	Pka-R2	0	0	1	-0.0396492	39.4218	37.8117
FBgn02676	26067295	asRNA:CR4	0	0	1	-0.0396629	12.4757	11.9643
FBgn02620	10178927	CG42851	0	0	1	-0.0397157	29.9018	28.6764
FBgn00314	33437	CG3515	0	0	1	-0.0397229	4.80312	4.60509
FBgn02834	32794	wupA	0	0	1	-0.0398446	205.583	197.162
FBgn00275	35866	CG8740	0	0	1	-0.0398563	10.1583	9.74166
FBgn00322	34421	CG5355	0	0	1	-0.0398692	64.8782	62.2188
FBgn00350	37931	ATPsynF	0	0	1	-0.0398715	93.5929	89.7537
FBgn00352	38239	Cpr62Ba	0	0	1	-0.0399219	2.57468	2.46645
FBgn00852	5740238	CG34238	0	0	1	-0.0399219	10.031	9.61625
FBgn02639	3355107	Tim17b	0	0	1	-0.0399455	149.044	142.927
FBgn00003	117300	clt	0	0	1	-0.0399947	14.3858	13.7938
FBgn00524	326220	CG32488	0	0	1	-0.0399947	21.3072	20.4303
FBgn00398	43772	CG2316	0	0	1	-0.040014	62.9066	60.3222
FBgn00241	43905	syd	0	0	1	-0.0400209	15.6524	15.009

FBgn00175	42707	klg	0	0	1	-0.0400433	4.90664	4.70439
FBgn00346	37418	Lapsyn	0	0	1	-0.0400459	14.3298	13.7394
FBgn00314	33426	CG3557	0	0	1	-0.0400493	31.0227	29.7452
FBgn00199	42891	Orct	0	0	1	-0.0400609	9.59453	9.19917
FBgn00041	41853	Tm2	0	0	1	-0.0401343	84.4733	80.9962
FBgn00322	34431	TBC1D16	0	0	1	-0.0401405	7.62377	7.30913
FBgn00353	38351	CG9970	0	0	1	-0.0401525	42.3833	40.6371
FBgn00337	36360	Nup54	0	0	1	-0.0401793	17.4063	16.6882
FBgn00273	32081	Tim8	0	0	1	-0.0402605	39.3531	37.727
FBgn00372	40552	Sfxn1-3	0	0	1	-0.0402805	66.3283	63.591
FBgn02597	7354409	CG42381	0	0	1	-0.0404124	54.9608	52.6878
FBgn00320	34235	Toll-4	0	0	1	-0.0404332	0.271645	0.259649
FBgn02621	10178915	CR42874	0	0	1	-0.0404332	1.35593	1.29798
FBgn02676	26067320	asRNA:CR4	0	0	1	-0.0404601	49.9333	47.8664
FBgn00527	31638	CG32732	0	0	1	-0.0404945	9.62878	9.22907
FBgn00311	33071	CG11227	0	0	1	-0.0405154	18.6549	17.8815
FBgn02592	35974	Camta	0	0	1	-0.0405317	9.11447	8.73675
FBgn00377	41219	Art4	0	0	1	-0.0405977	5.11583	4.9029
FBgn00275	42561	GABA-B-R2	0	0	1	-0.0406028	7.6489	7.33112
FBgn00504	246596	Tango11	0	0	1	-0.0406434	52.3462	50.173
FBgn00117	33965	Wee1	0	0	1	-0.0406497	18.024	17.2751
FBgn00368	40059	CG3902	0	0	1	-0.0408001	60.0692	57.5692
FBgn00043	34673	pdm2	0	0	1	-0.0409652	2.09872	2.01064
FBgn00393	43117	CG5024	0	0	1	-0.040994	115.356	110.54
FBgn00314	33485	CG2983	0	0	1	-0.0410224	11.7439	11.2517
FBgn00462	40698	Wdr33	0	0	1	-0.0410443	9.07341	8.69363
FBgn00340	36728	CG8204	0	0	1	-0.0410779	27.2769	26.1339
FBgn00350	37904	CG16837	0	0	1	-0.0410935	27.179	26.0388
FBgn00371	40443	CG7470	0	0	1	-0.0411923	27.2844	26.1419
FBgn02665	33863	stai	0	0	1	-0.0412288	33.4603	32.0584
FBgn00503	246584	CG30384	0	0	1	-0.0412393	22.3105	21.3749
FBgn00500	246434	Obp50c	0	0	1	-0.0412499	16.333	15.6472
FBgn00500	246435	Obp50b	0	0	1	-0.0412499	16.333	15.6472
FBgn02635	35790	Lpin	0	0	1	-0.041373	33.7352	32.3188

FBgn00329	35438	CG10834	0	0	1	-0.0414012	33.1419	31.7444
FBgn00299	31726	Ldsdh1	0	0	1	-0.0414102	133.052	127.462
FBgn00388	42443	CG15923	0	0	1	-0.0414237	5.13768	4.92126
FBgn00526	26067085	CR32636	0	0	1	-0.0414678	0.824454	0.788046
FBgn02638	14462652	CR43718	0	0	1	-0.0414678	2.70684	2.5873
FBgn02663	19834805	CR45023	0	0	1	-0.0414678	2.03686	1.9491
FBgn02664	19836008	CG45084	0	0	1	-0.0414827	15.1578	14.5199
FBgn02672	19835386	asRNA:CR4	0	0	1	-0.0415373	7.95149	7.6154
FBgn00369	40159	CG15881	0	0	1	-0.0416169	7.97619	7.63853
FBgn00300	31776	CG1440	0	0	1	-0.0416536	54.5355	52.2353
FBgn00502	246527	CG30284	0	0	1	-0.0417527	11.6175	11.1247
FBgn02667	39481	Zmynd10	0	0	1	-0.0418162	20.6181	19.7449
FBgn00048	42289	cdi	0	0	1	-0.0418721	21.5047	20.5946
FBgn00346	37471	NC2alpha	0	0	1	-0.041877	5.78647	5.53955
FBgn02667	41239	gammaSna	0	0	1	-0.0419161	4.32917	4.1433
FBgn00307	32629	CG9784	0	0	1	-0.0419373	11.5563	11.0662
FBgn02612	34993	grp	0	0	1	-0.0420787	14.7013	14.0765
FBgn00380	41528	NANS	0	0	1	-0.0420963	1.28087	1.22431
FBgn02628	12797946	CG43198	0	0	1	-0.0420963	2.88015	2.75297
FBgn00344	37273	CG13872	0	0	1	-0.0421422	42.5814	40.7711
FBgn00345	37411	CG4266	0	0	1	-0.0421579	10.9449	10.4792
FBgn02625	40152	Trpml	0	0	1	-0.042245	17.2183	16.4848
FBgn00324	34660	Oatp33Ea	0	0	1	-0.042292	17.2631	16.5271
FBgn00223	42020	CG10340	0	0	1	-0.0423589	35.0991	33.6002
FBgn00217	41862	SerRS-m	0	0	1	-0.0424339	9.11995	8.72971
FBgn00374	40872	CG1227	0	0	1	-0.042458	7.66401	7.33495
FBgn00169	48373	l(2)k10201	0	0	1	-0.0424735	17.7691	17.0071
FBgn00368	40097	CG9629	0	0	1	-0.0424921	24.1902	23.1557
FBgn00322	34408	dpr19	0	0	1	-0.042557	6.35076	6.07823
FBgn00854	37981	NaCP60E	0	0	1	-0.0425843	9.59216	9.18167
FBgn00235	31160	CG3587	0	0	1	-0.0425869	8.68169	8.30793
FBgn02648	14462359	asRNA:CR4	0	0	1	-0.042605	16.9559	16.2298
FBgn00105	44027	FBgn00105	0	0	1	-0.0426406	5.22939	5.00526
FBgn02624	12798339	CG43070	0	0	1	-0.0428218	4.26515	4.0768

FBgn02675	26067235	asRNA:CR4	0	0	1	-0.0428218	4.45137	4.25479
FBgn00285	44268	sut3	0	0	1	-0.0428379	21.9728	21.0275
FBgn00306	32535	CG8509	0	0	1	-0.0428583	11.0987	10.62
FBgn00398	43762	CG2053	0	0	1	-0.0429435	27.0173	25.8532
FBgn00863	38973	se	0	0	1	-0.0429435	5.59502	5.35117
FBgn00141	39826	fax	0	0	1	-0.0430041	43.882	41.992
FBgn00043	35293	neb	0	0	1	-0.0431053	9.97848	9.54745
FBgn00367	39956	CG7564	0	0	1	-0.0431069	4.17245	3.99227
FBgn00316	326150	CG31650	0	0	1	-0.0431172	25.5617	24.4579
FBgn00316	33647	CG15432	0	0	1	-0.0431734	12.6314	12.082
FBgn00372	40556	CG9855	0	0	1	-0.0432149	57.7173	55.2226
FBgn02636	37795	Lpt	0	0	1	-0.0432159	7.77233	7.43602
FBgn00321	34357	CG4901	0	0	1	-0.0432282	10.7242	10.2597
FBgn00348	37710	CG9815	0	0	1	-0.0432282	1.90509	1.82096
FBgn00379	41375	CG5281	0	0	1	-0.0433267	5.53373	5.29266
FBgn00004	36073	Hr3	0	0	1	-0.0433711	2.58101	2.46901
FBgn00116	36032	Mef2	0	0	1	-0.0434225	8.39221	8.02827
FBgn00388	42496	RhoGAP93I	0	0	1	-0.0434368	7.89057	7.54808
FBgn00533	2768926	CG33309	0	0	1	-0.0434468	29.4634	28.1847
FBgn02591	5740544	futsch	0	0	1	-0.0434647	7.27734	6.96167
FBgn00333	35899	Tom7	0	0	1	-0.0435246	110.349	105.555
FBgn00510	43277	CG31064	0	0	1	-0.043546	4.75639	4.54939
FBgn00376	41103	Ibf1	0	0	1	-0.0435551	11.1746	10.6867
FBgn00349	37851	yki	0	0	1	-0.0436795	18.562	17.7528
FBgn00536	3772511	CG33667	0	0	1	-0.0437961	77.9616	74.5599
FBgn00318	33973	Gas41	0	0	1	-0.0438553	11.6854	11.1725
FBgn00376	41102	Ibf2	0	0	1	-0.0438878	21.6797	20.7298
FBgn00869	35118	CG31751	0	0	1	-0.0439553	42.8519	40.9786
FBgn00370	40298	CG3698	0	0	1	-0.0439649	9.99567	9.5566
FBgn00368	40143	wnd	0	0	1	-0.0439687	10.8822	10.4062
FBgn00328	35324	CG2611	0	0	1	-0.0440175	9.64897	9.22287
FBgn00391	42791	SPE	0	0	1	-0.0440854	64.9406	62.0959
FBgn00388	42503	Bdbt	0	0	1	-0.0442115	17.4625	16.694
FBgn00375	40994	CG9601	0	0	1	-0.0442798	11.0567	10.5699

FBgn00139	43682	Gycbeta10(	0	0	1	-0.0443431	6.02499	5.75958
FBgn00323	34507	CG14071	0	0	1	-0.0443549	20.6292	19.7204
FBgn02650	14462519	asRNA:CR4	0	0	1	-0.0443956	66.4518	63.5281
FBgn00421	59215	CG32164	0	0	1	-0.0443969	39.7301	37.9821
FBgn00011	43162	gro	0	0	1	-0.0444084	13.7504	13.1449
FBgn00350	37983	Tpc2	0	0	1	-0.0444168	17.1419	16.3868
FBgn00383	41877	CG6136	0	0	1	-0.044452	8.43011	8.05783
FBgn02631	3885647	Mitf	0	0	1	-0.0445601	31.7521	30.3517
FBgn02672	19835358	CR45668	0	0	1	-0.0445804	24.363	23.2871
FBgn00243	44728	MED6	0	0	1	-0.0446702	12.1006	11.565
FBgn00308	32681	CG13002	0	0	1	-0.0446702	0.435158	0.411782
FBgn00308	32766	Spt7	0	0	1	-0.0446702	2.78278	2.65786
FBgn00310	32942	CG12231	0	0	1	-0.0446702	9.4253	9.00534
FBgn00320	34236	Or30a	0	0	1	-0.0446702	0.245208	0.232036
FBgn00326	35034	CG12620	0	0	1	-0.0446702	48.8504	46.6914
FBgn00364	39571	nan	0	0	1	-0.0446702	0.204891	0.19491
FBgn00376	41039	ouib	0	0	1	-0.0446702	1.316	1.25556
FBgn00394	43239	CG18472	0	0	1	-0.0446702	33.7113	32.221
FBgn00500	246389	CG30010	0	0	1	-0.0446702	6.62517	6.32955
FBgn00500	246449	CG30091	0	0	1	-0.0446702	0.165417	0.156531
FBgn00829	5740134	snoRNA:Or	0	0	1	-0.0446702	2.05975	1.9491
FBgn02607	44900	Larp7	0	0	1	-0.0446702	4.91263	4.69439
FBgn02625	12798326	CG43107	0	0	1	-0.0446702	4.04732	3.86143
FBgn02634	12798586	CR43484	0	0	1	-0.0446702	1.42598	1.35875
FBgn02656	19835851	CR44445	0	0	1	-0.0446702	0.251643	0.238125
FBgn02660	19834998	CR44823	0	0	1	-0.0446702	0.785497	0.743301
FBgn02666	19835897	CR45181	0	0	1	-0.0446702	1.56657	1.49271
FBgn02668	19835529	CR45290	0	0	1	-0.0446702	0.464993	0.440014
FBgn02672	19835718	CR45706	0	0	1	-0.0446702	0.179745	0.17009
FBgn02677	26067440	CR46124	0	0	1	-0.0446702	3.73651	3.5632
FBgn00253	31392	CG12184	0	0	1	-0.0447731	23.539	22.4971
FBgn00284	37012	CG6424	0	0	1	-0.0447837	50.9505	48.6963
FBgn02655	32225	Smr	0	0	1	-0.0448453	2.93969	2.80936
FBgn00337	36392	CG8778	0	0	1	-0.0448501	19.8159	18.9361

FBgn00358	38946	Culd	0	0	1	-0.0449623	20.874	19.9473
FBgn02660	32136	rudhira	0	0	1	-0.0450874	11.9596	11.4279
FBgn00352	38246	CG12025	0	0	1	-0.0451039	29.3149	28.011
FBgn00531	251430	pen-2	0	0	1	-0.0451577	13.9151	13.2938
FBgn00303	32148	CG10353	0	0	1	-0.0452407	16.7491	16.0026
FBgn00390	42770	Irk2	0	0	1	-0.0453183	37.1831	35.5241
FBgn02606	8673967	CG42536	0	0	1	-0.0454166	21.1009	20.1552
FBgn00334	36058	RpLP0-like	0	0	1	-0.0454238	22.4389	21.4339
FBgn02596	36002	sqa	0	0	1	-0.0454916	12.0992	11.5579
FBgn00031	37573	px	0	0	1	-0.0454948	4.52575	4.32317
FBgn00384	42079	CG5292	0	0	1	-0.0455502	4.90175	4.68099
FBgn02597	34987	CG42389	0	0	1	-0.0455502	10.8242	10.3397
FBgn00391	42846	spas	0	0	1	-0.0455703	10.2054	9.74798
FBgn00056	36454	Orc3	0	0	1	-0.0456348	32.6214	31.1592
FBgn00853	5740282	CG34315	0	0	1	-0.0456348	32.6214	31.1592
FBgn00863	3355106	Alg-2	0	0	1	-0.0456805	40.007	38.2114
FBgn00518	318950	CG31803	0	0	1	-0.0457579	51.6023	49.2835
FBgn02667	19834943	asRNA:CR4	0	0	1	-0.0459363	14.221	13.5805
FBgn00331	35616	Tsp42Eg	0	0	1	-0.0459469	50.2531	47.9892
FBgn00358	38937	CG7185	0	0	1	-0.0460079	10.4736	10.0009
FBgn00297	31422	CG4041	0	0	1	-0.0461431	6.99505	6.67834
FBgn00468	40746	Obp83cd	0	0	1	-0.0461431	3.00027	2.86186
FBgn00518	318991	Ada1-1	0	0	1	-0.0461431	4.96092	4.73455
FBgn00289	34849	CG3473	0	0	1	-0.0462495	35.6565	34.0408
FBgn02647	40633	Hph	0	0	1	-0.0462699	29.7807	28.4335
FBgn00516	33910	CG31638	0	0	1	-0.0464657	6.95165	6.63556
FBgn00113	39102	Uch-L5	0	0	1	-0.0465659	107.835	102.936
FBgn00160	31006	Vsp37A	0	0	1	-0.0465697	33.6946	32.1623
FBgn00304	32247	CG15721	0	0	1	-0.0465697	1.49743	1.42846
FBgn00313	33372	CG7289	0	0	1	-0.0465959	31.3053	29.8816
FBgn00343	37144	CG5482	0	0	1	-0.0466197	93.8505	89.5837
FBgn02597	44653	wech	0	0	1	-0.0467048	5.92251	5.65266
FBgn00358	38901	CG7550	0	0	1	-0.046718	8.4931	8.1036
FBgn02643	34738	CG43778	0	0	1	-0.0467787	5.5155	5.26382

FBgn02616	40785	CG42724	0	0	1	-0.0468739	18.9352	18.071
FBgn00334	36013	Lsm11	0	0	1	-0.0468914	5.05574	4.82252
FBgn00385	42174	CG12321	0	0	1	-0.046998	70.6404	67.4091
FBgn00308	32769	Arp8	0	0	1	-0.0470243	2.22307	2.12025
FBgn00362	39359	CG14125	0	0	1	-0.0470614	279.165	266.392
FBgn00274	33908	epsilonCOP	0	0	1	-0.0470872	34.5506	32.9671
FBgn00500	246454	CG30096	0	0	1	-0.0470969	2.9037	2.76841
FBgn00391	42812	CG10375	0	0	1	-0.0471499	20.8549	19.8971
FBgn00117	44326	mRpL12	0	0	1	-0.0471742	12.999	12.3998
FBgn00632	326131	CG31275	0	0	1	-0.0471742	72.8401	69.4982
FBgn00295	30988	CG13373	0	0	1	-0.0472396	7.40803	7.06572
FBgn02673	5740846	JYalpha	0	0	1	-0.0472528	22.877	21.8268
FBgn00235	30994	CG3156	0	0	1	-0.0473443	11.5139	10.984
FBgn00311	33029	CG1631	0	0	1	-0.0473443	16.547	15.7847
FBgn00203	40167	Papss	0	0	1	-0.0474246	3.35992	3.20453
FBgn00351	38102	CG12502	0	0	1	-0.047458	1.91667	1.82777
FBgn00676	2768669	CG33332	0	0	1	-0.047458	5.45559	5.20254
FBgn00511	43015	CG31108	0	0	1	-0.0475841	45.3593	43.268
FBgn00000	41625	Ace	0	0	1	-0.0476341	11.67	11.1315
FBgn00395	43388	CG9988	0	0	1	-0.0476479	1.17389	1.11855
FBgn00829	5740675	snoRNA:Psi	0	0	1	-0.0476479	57.5994	54.9229
FBgn00371	40441	CG7458	0	0	1	-0.047697	4.27497	4.07637
FBgn00035	41627	Su(var)3-7	0	0	1	-0.0477716	9.47989	9.04126
FBgn00352	38180	Pcyt2	0	0	1	-0.0478401	54.4826	51.9607
FBgn00331	35678	CG1620	0	0	1	-0.047853	17.9667	17.1344
FBgn00531	318916	CG33181	0	0	1	-0.0479003	18.0076	17.1734
FBgn00137	35564	sced	0	0	1	-0.0479106	2.62135	2.49915
FBgn00001	31379	bi	0	0	1	-0.0480292	0.780136	0.743504
FBgn00320	34138	Mettl14	0	0	1	-0.0480292	8.47834	8.08316
FBgn00417	37861	CG3253	0	0	1	-0.0480292	1.99063	1.89678
FBgn00502	246514	CG30203	0	0	1	-0.0480292	2.06834	1.97146
FBgn02628	12798425	CG43204	0	0	1	-0.0480292	3.6873	3.51203
FBgn02655	19835093	asRNA:CR4	0	0	1	-0.0480292	2.08922	1.98745
FBgn00347	37615	CG13527	0	0	1	-0.0480688	16.5528	15.7829

FBgn00306	32493	CG7872	0	0	1	-0.0480707	14.9883	14.291
FBgn00300	31739	CG17982	0	0	1	-0.0481403	7.17868	6.84307
FBgn02607	41448	GC1	0	0	1	-0.0482185	16.3687	15.6057
FBgn00501	35611	CG30159	0	0	1	-0.0482735	24.1843	23.0569
FBgn00399	43800	CG1909	0	0	1	-0.048315	22.4792	21.4312
FBgn00380	41563	Cyp313a4	0	0	1	-0.0484126	3.23372	3.08126
FBgn00345	37392	Cht9	0	0	1	-0.0484607	8.19109	7.80648
FBgn00235	31150	mRpL16	0	0	1	-0.0485225	11.6033	11.0588
FBgn00386	42218	CG12333	0	0	1	-0.0485225	6.72388	6.40856
FBgn00519	319030	CG31924	0	0	1	-0.0485799	25.0565	23.8818
FBgn00524	318030	CG32440	0	0	1	-0.0486018	82.2776	78.4259
FBgn00420	41318	Adk3	0	0	1	-0.048613	85.6669	81.6586
FBgn00327	35134	CG15167	0	0	1	-0.0487208	6.55	6.23712
FBgn00521	39444	CG32109	0	0	1	-0.0487813	19.4805	18.5646
FBgn00320	34126	Snx6	0	0	1	-0.0488099	58.6061	55.856
FBgn00327	35138	CG17323	0	0	1	-0.0488422	19.4585	18.5443
FBgn00313	33370	CG15356	0	0	1	-0.0488948	3.31555	3.15923
FBgn00403	53540	CG3706	0	0	1	-0.0488948	3.05962	2.91419
FBgn00137	19893530	mt:tRNA:Tr	0	0	1	-0.0491857	13.0607	12.4034
FBgn00310	33004	CG12655	0	0	1	-0.0491857	1.41081	1.33981
FBgn00394	43218	CG6420	0	0	1	-0.0491857	6.81345	6.49156
FBgn02666	19835758	asRNA:CR4	0	0	1	-0.0492264	45.311	43.1717
FBgn00305	32349	Clic	0	0	1	-0.0492375	43.5168	41.4621
FBgn02633	36589	Ih	0	0	1	-0.0493417	9.06256	8.63414
FBgn00530	36811	CG33017	0	0	1	-0.0494799	30.0346	28.6122
FBgn02624	12797979	CG43076	0	0	1	-0.0494973	17.2394	16.4195
FBgn02678	26067444	asRNA:CR4	0	0	1	-0.0494982	56.6403	53.9574
FBgn02648	14462528	asRNA:CR4	0	0	1	-0.0495196	3.9495	3.75978
FBgn00264	33247	Eaat2	0	0	1	-0.0495252	26.5053	25.249
FBgn00388	42444	CG5466	0	0	1	-0.0495453	3.96007	3.77148
FBgn00320	34121	CG8372	0	0	1	-0.0495534	30.4456	28.9996
FBgn00364	39649	CG13457	0	0	1	-0.0495578	26.0285	24.7941
FBgn00288	42661	CSN6	0	0	1	-0.0496109	13.4988	12.8563
FBgn00581	10178936	CR40100	0	0	1	-0.0496109	8.18671	7.79146

FBgn00325	34865	CG15278	0	0	1	-0.0496243	16.3663	15.5883
FBgn00325	34754	RpL24	0	0	1	-0.0496536	133.208	126.884
FBgn00380	41521	CG5167	0	0	1	-0.0496944	43.1214	41.0721
FBgn00373	40707	CG2100	0	0	1	-0.0497808	33.4654	31.8727
FBgn02597	7354405	CG42391	0	0	1	-0.0498319	10.7379	10.2236
FBgn00113	38154	ND-ACP	0	0	1	-0.0498449	92.2043	87.8137
FBgn00857	8673970	CG40472	0	0	1	-0.0498887	230.976	219.973
FBgn00613	3771779	CG18003	0	0	1	-0.0499537	25.8715	24.6365
FBgn00516	33404	Tengl3	0	0	1	-0.0499952	52.1436	49.6548
FBgn00342	37013	CG10934	0	0	1	-0.0500103	98.1095	93.4279
FBgn00206	3355041	eIF4B	0	0	1	-0.0500464	94.5019	89.9912
FBgn00384	41982	CG14879	0	0	1	-0.0500475	21.4894	20.4627
FBgn00304	32205	CG11138	0	0	1	-0.0500747	11.4305	10.8844
FBgn00374	40844	CG1943	0	0	1	-0.0501136	56.3552	53.6617
FBgn02651	14462511	CR44226	0	0	1	-0.0501246	2.55919	2.43206
FBgn02663	19834911	CR44991	0	0	1	-0.0501246	3.4842	3.31112
FBgn00310	32939	CG14200	0	0	1	-0.0501779	7.70565	7.33696
FBgn00338	36540	CG16935	0	0	1	-0.0501988	34.23	32.5912
FBgn00149	44620	CG14630	0	0	1	-0.0502266	36.2018	34.4681
FBgn00135	43952	MED20	0	0	1	-0.0502536	6.22095	5.9206
FBgn00511	41428	ClC-a	0	0	1	-0.0502536	18.6887	17.794
FBgn00521	39727	meru	0	0	1	-0.0503613	1.59039	1.51292
FBgn00396	43400	CG1523	0	0	1	-0.050379	9.15677	8.71656
FBgn02608	32126	inaF-D	0	0	1	-0.0503822	36.4051	34.6591
FBgn00156	42971	CycB3	0	0	1	-0.0503829	5.60376	5.33417
FBgn00283	43928	chm	0	0	1	-0.0503996	5.1032	4.85773
FBgn00516	35327	CG31678	0	0	1	-0.0504178	19.5861	18.6463
FBgn00380	41588	CG14384	0	0	1	-0.0504858	43.8533	41.7458
FBgn00404	39136	SH3PX1	0	0	1	-0.0505468	17.5184	16.6754
FBgn00525	318095	CG32576	0	0	1	-0.0506656	124.747	118.742
FBgn00339	36675	CG7639	0	0	1	-0.050702	22.879	21.7759
FBgn00302	31978	CG2887	0	0	1	-0.0507108	8.06706	7.67636
FBgn00362	39418	toe	0	0	1	-0.0507241	11.6092	11.049
FBgn00086	42541	lbl	0	0	1	-0.0507575	1.91525	1.82195

FBgn00371	40458	CG11523	0	0	1	-0.0507575	15.0805	14.3506
FBgn02607	41616	2mit	0	0	1	-0.0509394	3.45357	3.28644
FBgn02627	49809	eIF4H1	0	0	1	-0.0509531	35.5271	33.8101
FBgn00323	34564	Ppt2	0	0	1	-0.0510143	45.7373	43.5234
FBgn02625	12797866	CG43106	0	0	1	-0.0511129	42.4074	40.3509
FBgn00379	41475	eIF3d2	0	0	1	-0.0511299	44.3261	42.1781
FBgn00500	10178803	CR30055	0	0	1	-0.0511406	14.7815	14.0642
FBgn00518	318959	CG31815	0	0	1	-0.0511559	14.0331	13.3513
FBgn00634	37107	GstE2	0	0	1	-0.051213	6.87354	6.53715
FBgn00144	46391	CG11899	0	0	1	-0.0512345	55.7078	53.0036
FBgn00530	318833	CG33057	0	0	1	-0.0513076	40.8962	38.9099
FBgn00115	38232	Cdc37	0	0	1	-0.0513355	35.5565	33.828
FBgn02679	26067506	asRNA:CR4	0	0	1	-0.0514252	20.8099	19.7944
FBgn00005	37757	egl	0	0	1	-0.0514541	18.2421	17.3541
FBgn00633	3772050	snoRNA:U2	0	0	1	-0.0515566	6.39232	6.04893
FBgn00829	5740586	snoRNA:Or	0	0	1	-0.0515566	7.12989	6.74689
FBgn02628	12798024	CG43233	0	0	1	-0.0515566	22.6153	21.5086
FBgn02670	19835720	CR45502	0	0	1	-0.0515566	0.739537	0.69981
FBgn00329	35369	CG9265	0	0	1	-0.0516015	15.0289	14.2955
FBgn00328	35333	CG9316	0	0	1	-0.0516174	31.9968	30.4356
FBgn00387	42376	CG4462	0	0	1	-0.0516772	15.9438	15.1646
FBgn00245	46719	dlt	0	0	1	-0.0516836	4.15013	3.94693
FBgn00339	36682	GPHR	0	0	1	-0.0517488	18.4961	17.5912
FBgn02631	35173	Acn	0	0	1	-0.0518503	27.348	26.0096
FBgn00511	318594	CG31106	0	0	1	-0.0518571	37.7114	35.8653
FBgn00381	41710	Npc2b	0	0	1	-0.0518655	96.358	91.6415
FBgn00300	31841	Arfrp1	0	0	1	-0.051886	11.6176	11.0467
FBgn00233	35378	Dap160	0	0	1	-0.0519554	18.2102	17.3179
FBgn02642	32619	FBgn02642	0	0	1	-0.0520288	6.03053	5.73472
FBgn00870	32965	e(y)3	0	0	1	-0.0520332	4.35247	4.13878
FBgn00407	50251	CG17977	0	0	1	-0.0520629	12.9246	12.2878
FBgn00350	37903	CG3494	0	0	1	-0.0521639	83.0155	78.9355
FBgn00360	39181	CG8072	0	0	1	-0.0521827	30.3892	28.8938
FBgn00304	32258	CG2200	0	0	1	-0.052217	5.20238	4.94441

FBgn00316	33656	CG15443	0	0	1	-0.052217	7.37332	7.00933
FBgn00362	39423	CG10657	0	0	1	-0.052217	8.37482	7.96139
FBgn02664	19834986	asRNA:CR4	0	0	1	-0.0523811	37.884	36.0175
FBgn00297	31398	mRpL30	0	0	1	-0.0524829	22.8925	21.7594
FBgn02623	12798369	CG43059	0	0	1	-0.052506	35.3299	33.5793
FBgn00348	37648	CG3831	0	0	1	-0.0525971	8.01207	7.61471
FBgn00651	3772124	snmRNA:2(	0	0	1	-0.0525971	57.2021	54.2964
FBgn00372	40540	CG9780	0	0	1	-0.0526495	21.2436	20.1922
FBgn00002	35341	cad	0	0	1	-0.0527406	13.1784	12.5251
FBgn00329	35421	CG2225	0	0	1	-0.0527565	10.9452	10.403
FBgn00137	42567	CASK	0	0	1	-0.0527781	20.5345	19.5174
FBgn00310	32983	CG14232	0	0	1	-0.0528441	9.77586	9.28997
FBgn00348	37680	CG13539	0	0	1	-0.052856	38.2939	36.3932
FBgn00326	35113	Atac2	0	0	1	-0.0529378	4.39956	4.18009
FBgn00825	43633	tmod	0	0	1	-0.0529738	28.1241	26.7275
FBgn00309	32819	CG6179	0	0	1	-0.0530175	2.24458	2.13087
FBgn00830	5740539	snoRNA:Psi	0	0	1	-0.0530175	9.39163	8.90649
FBgn00321	34245	borr	0	0	1	-0.0531817	3.98461	3.78408
FBgn00335	246663	Prx2540-1	0	0	1	-0.0532449	13.2475	12.5841
FBgn00361	39308	CG6071	0	0	1	-0.0532682	33.7366	32.0542
FBgn00347	37640	CG3700	0	0	1	-0.0533605	16.8062	15.9652
FBgn00296	31197	CG14053	0	0	1	-0.0533691	15.7115	14.9259
FBgn00366	39909	Ilp8	0	0	1	-0.0533874	2.62992	2.49539
FBgn00367	40007	CG7330	0	0	1	-0.0533874	1.95552	1.85549
FBgn02620	19835256	CR42848	0	0	1	-0.0534047	39.1339	37.1764
FBgn00309	32903	CG7453	0	0	1	-0.0534966	31.7403	30.1521
FBgn00339	36634	jef	0	0	1	-0.0535049	10.2938	9.77856
FBgn00355	38496	CG1299	0	0	1	-0.0535447	17.372	16.5016
FBgn00037	39849	tra	0	0	1	-0.0535937	12.0001	11.3961
FBgn00384	42080	Mur89F	0	0	1	-0.0536102	0.978197	0.928839
FBgn02508	31266	ttm50	0	0	1	-0.0536708	9.08031	8.62383
FBgn00354	38473	CG11594	0	0	1	-0.0537448	20.67	19.6324
FBgn00351	38076	Gale	0	0	1	-0.0537592	36.0204	34.2119
FBgn00320	34169	CG13398	0	0	1	-0.0537664	9.73825	9.24877

FBgn00382	41736	CG14839	0	0	1	-0.0537916	13.4639	12.7854
FBgn00864	117366	PIG-Q	0	0	1	-0.0538363	4.87921	4.63255
FBgn02675	26067222	asRNA:CR4	0	0	1	-0.053858	113.881	108.154
FBgn00336	36287	CG8321	0	0	1	-0.0538803	28.1324	26.7165
FBgn00376	41082	Kcmf1	0	0	1	-0.0539134	40.4865	38.4506
FBgn00342	36991	UQCR-6.4	0	0	1	-0.05397	67.0629	63.6845
FBgn00581	3354930	CG40191	0	0	1	-0.0539787	29.7728	28.2741
FBgn00365	39740	CG17029	0	0	1	-0.0540081	28.0449	26.631
FBgn00405	5740784	CG11741	0	0	1	-0.0540081	1.8334	1.73491
FBgn00472	3772463	CR32385	0	0	1	-0.0540081	0.324338	0.306915
FBgn02654	19835390	asRNA:CR4	0	0	1	-0.0540885	33.2019	31.5274
FBgn00036	44160	sw	0	0	1	-0.0541241	11.2017	10.6363
FBgn02667	19835636	asRNA:CR4	0	0	1	-0.0541549	25.0833	23.8112
FBgn00156	36645	BEAF-32	0	0	1	-0.0541616	9.7084	9.21735
FBgn00831	8673973	Uhg4	0	0	1	-0.0542078	14.5546	13.8144
FBgn00039	47869	vir	0	0	1	-0.0543204	3.12332	2.96501
FBgn00020	49168	l(2)37Cc	0	0	1	-0.0543527	31.3759	29.7884
FBgn00393	43061	CG10550	0	0	1	-0.0544173	50.5019	47.9449
FBgn00303	32099	PGRP-SA	0	0	1	-0.0544318	16.5802	15.7383
FBgn00305	32378	Fbxl4	0	0	1	-0.0544512	7.81159	7.4152
FBgn00299	31668	CG18155	0	0	1	-0.0544628	32.3165	30.6791
FBgn00315	33543	CG3277	0	0	1	-0.0544734	3.53684	3.35694
FBgn00529	40560	CG32944	0	0	1	-0.0544734	7.75081	7.35747
FBgn00373	40701	Rab23	0	0	1	-0.0545084	1.25111	1.18648
FBgn00366	39903	CG6664	0	0	1	-0.0545476	28.7193	27.2627
FBgn00358	38955	mkg-p	0	0	1	-0.0546354	41.0734	38.9884
FBgn00329	35364	RPA2	0	0	1	-0.0546543	9.18224	8.71327
FBgn02655	32253	rad	0	0	1	-0.0546671	2.14998	2.04056
FBgn00313	33286	CG14339	0	0	1	-0.0546873	5.15946	4.89662
FBgn00866	45380	spin	0	0	1	-0.0547239	40.5158	38.4569
FBgn00202	32935	pcm	0	0	1	-0.0547425	6.15629	5.84296
FBgn00307	32586	UQCR-14	0	0	1	-0.0548335	355.159	337.086
FBgn00519	319019	CG31907	0	0	1	-0.0548423	99.3017	94.2478
FBgn00377	41201	CG12947	0	0	1	-0.0549203	1.83737	1.74212

FBgn02624	250811	bru2	0	0	1	-0.0549367	15.694	14.8941
FBgn00364	2768973	Rpn12R	0	0	1	-0.0549373	49.194	46.6851
FBgn00839	4379850	CG34135	0	0	1	-0.055047	6.70921	6.36659
FBgn00462	37695	CG3502	0	0	1	-0.0551001	4.13021	3.91849
FBgn00399	43822	CG11155	0	0	1	-0.0551551	24.5383	23.2844
FBgn00377	41187	CG12948	0	0	1	-0.0551769	8.05457	7.64114
FBgn00054	30975	ewg	0	0	1	-0.0551801	9.116	8.64978
FBgn02639	5740318	CG43729	0	0	1	-0.055193	10.2084	9.68646
FBgn00337	36397	Nup188	0	0	1	-0.0551936	5.21914	4.95191
FBgn00347	37571	CG4610	0	0	1	-0.0552172	10.7173	10.168
FBgn00308	32691	CG4949	0	0	1	-0.0552653	2.90765	2.75769
FBgn02663	19834890	asRNA:CR4	0	0	1	-0.0552653	23.6144	22.4025
FBgn00322	34374	CG4957	0	0	1	-0.0554894	16.8261	15.9595
FBgn02620	10178909	CG42830	0	0	1	-0.0555005	31.9776	30.3329
FBgn00332	35803	CG14759	0	0	1	-0.0555921	15.4385	14.641
FBgn00207	33636	Atet	0	0	1	-0.0555968	9.9741	9.46117
FBgn00155	40907	alpha-Est3	0	0	1	-0.0556219	92.8613	88.0878
FBgn02609	41294	Rbp1	0	0	1	-0.0556497	23.985	22.7501
FBgn00317	33800	CG11149	0	0	1	-0.0556892	10.5583	10.014
FBgn00375	40938	CG10445	0	0	1	-0.0556892	2.24972	2.13317
FBgn00502	37522	CG30280	0	0	1	-0.0557632	5.86193	5.55757
FBgn00361	39271	CG6175	0	0	1	-0.0558381	5.73564	5.43935
FBgn00376	41046	CG11768	0	0	1	-0.0558546	6.66433	6.32045
FBgn00512	318662	CG31286	0	0	1	-0.0559687	69.7591	66.1568
FBgn00385	42181	CG7183	0	0	1	-0.0559855	8.25857	7.83099
FBgn00662	2768717	CheB42b	0	0	1	-0.0560301	4.16686	3.94736
FBgn02647	14462865	CR43972	0	0	1	-0.0560301	1.71144	1.62128
FBgn02647	14462906	CR43977	0	0	1	-0.0560301	2.19295	2.07515
FBgn02649	14462407	asRNA:CR4	0	0	1	-0.0560301	3.74752	3.54621
FBgn00369	40249	RhoBTB	0	0	1	-0.0560781	27.0358	25.6375
FBgn00369	40195	sNPF-R	0	0	1	-0.0561051	2.44318	2.31625
FBgn00853	5740402	CG34345	0	0	1	-0.0561766	3.33303	3.15892
FBgn02612	42632	lqfR	0	0	1	-0.0562163	14.9029	14.1307
FBgn00367	40013	CG13700	0	0	1	-0.056217	76.7828	72.8055

FBgn00355	38526	CG1316	0	0	1	-0.0562201	51.6211	48.9468
FBgn00350	37935	CG4707	0	0	1	-0.0562536	15.6103	14.8003
FBgn00316	33742	CG5828	0	0	1	-0.0562867	8.7659	8.31012
FBgn00321	34360	CG4908	0	0	1	-0.0563602	4.61817	4.37693
FBgn00629	10178782	CG31808	0	0	1	-0.0563715	100.631	95.4089
FBgn02670	19836068	asRNA:CR4	0	0	1	-0.0563927	13.7831	13.0595
FBgn02508	40865	CG1288	0	0	1	-0.0564931	74.2476	70.388
FBgn00300	31803	CG12772	0	0	1	-0.0565132	7.15099	6.77845
FBgn00397	43628	PH4alphaN	0	0	1	-0.0566878	34.2199	32.4358
FBgn00390	42772	CG10177	0	0	1	-0.0567183	75.7816	71.8307
FBgn00285	260645	NimB2	0	0	1	-0.0567342	26.7408	25.3451
FBgn00235	31213	CG3071	0	0	1	-0.0567881	7.77311	7.3662
FBgn02592	7354466	CG42342	0	0	1	-0.0568315	3.20996	3.04204
FBgn00347	37531	CG3045	0	0	1	-0.0569138	4.73197	4.48305
FBgn00364	39663	Toll-6	0	0	1	-0.0569138	1.29112	1.2233
FBgn02616	32617	eIF2alpha	0	0	1	-0.0569237	41.7556	39.5723
FBgn02615	42412	CG42668	0	0	1	-0.0569831	25.6509	24.3093
FBgn02609	8674107	CG42590	0	0	1	-0.0570621	14.7977	14.0198
FBgn00118	32624	Pp2B-14D	0	0	1	-0.0571108	10.0289	9.50322
FBgn00522	38532	PMP34	0	0	1	-0.0571128	24.7103	23.4142
FBgn00057	34847	noc	0	0	1	-0.0571199	10.6305	10.0727
FBgn00854	5740362	CG34384	0	0	1	-0.0571445	5.09593	4.82864
FBgn00352	38147	CG9149	0	0	1	-0.0571921	12.5023	11.845
FBgn00307	32639	CG9723	0	0	1	-0.0572851	13.654	12.9358
FBgn00521	317855	CG32106	0	0	1	-0.0573027	26.2404	24.8623
FBgn00103	35368	Itgbn	0	0	1	-0.0573301	53.6401	50.8225
FBgn00115	31192	Cyp4d2	0	0	1	-0.0573635	25.9806	24.6146
FBgn02608	38614	Membrin	0	0	1	-0.0573698	14.3894	13.6301
FBgn02651	37511	Snp	0	0	1	-0.0574213	33.2522	31.5029
FBgn00831	8674061	Uhg7	0	0	1	-0.0574241	78.7303	74.5843
FBgn00289	44272	tio	0	0	1	-0.0574522	9.99147	9.4655
FBgn00308	32798	Andorra	0	0	1	-0.0574715	8.28031	7.84168
FBgn00338	36462	Pex13	0	0	1	-0.0575105	13.6516	12.9315
FBgn00323	34586	CG4988	0	0	1	-0.0575254	62.2566	58.9771

FBgn00371	40479	CG14457	0	0	1	-0.0575569	10.6262	10.0647
FBgn00328	35331	CG2617	0	0	1	-0.0575835	6.65419	6.30137
FBgn00034	39884	sina	0	0	1	-0.0576243	13.2673	12.5671
FBgn00360	39121	CG8336	0	0	1	-0.0577735	31.0183	29.3787
FBgn00854	5740681	CG34432	0	0	1	-0.0578456	27.8835	26.4059
FBgn02616	36806	CngA	0	0	1	-0.0578456	0.783468	0.741381
FBgn00406	50143	e(y)2b	0	0	1	-0.0578724	20.7079	19.6088
FBgn00299	31628	CG14435	0	0	1	-0.0578831	15.3586	14.5458
FBgn00323	34589	CG14932	0	0	1	-0.0578981	17.3103	16.3913
FBgn00349	37811	CG16787	0	0	1	-0.0578981	13.0595	12.3661
FBgn00379	12797890	CG14742	0	0	1	-0.0579466	5.90663	5.58933
FBgn00347	37535	MED16	0	0	1	-0.0579916	2.73524	2.58937
FBgn00350	37905	CG13579	0	0	1	-0.0580333	1.04508	0.98894
FBgn00229	37561	qkr58E-1	0	0	1	-0.0580647	14.8514	14.0633
FBgn00320	34196	PrBP	0	0	1	-0.0580967	21.9655	20.7984
FBgn00527	31493	CG32758	0	0	1	-0.0581007	8.20562	7.76995
FBgn00256	31014	Roc1a	0	0	1	-0.0581185	48.2599	45.6984
FBgn00405	35667	kappaB-Ras	0	0	1	-0.0582044	14.5236	13.7511
FBgn00520	39323	CG32087	0	0	1	-0.058214	19.0106	17.9993
FBgn00523	317973	CG32313	0	0	1	-0.0582417	38.271	36.2346
FBgn00312	33163	CG11374	0	0	1	-0.0583307	3.834	3.62804
FBgn02638	34159	Dad1	0	0	1	-0.058337	71.1553	67.3663
FBgn00379	41420	CG6923	0	0	1	-0.0583725	15.0539	14.2525
FBgn00029	43517	ncd	0	0	1	-0.0584278	4.40612	4.1705
FBgn00405	53432	ACXA	0	0	1	-0.058468	33.8169	32.0151
FBgn00372	40509	Ssl1	0	0	1	-0.0584907	15.3074	14.4902
FBgn02617	37800	kcc	0	0	1	-0.0585048	33.8671	32.062
FBgn00340	36763	CG8388	0	0	1	-0.0585248	14.8053	14.0147
FBgn00853	5740555	CG34293	0	0	1	-0.0585313	8.91237	8.43361
FBgn00365	39672	CG7841	0	0	1	-0.0585943	38.0376	36.0069
FBgn00034	43577	spn-A	0	0	1	-0.058619	6.00887	5.68609
FBgn02673	41309	SelR	0	0	1	-0.0586398	18.8525	17.8454
FBgn00396	43511	fig	0	0	1	-0.0586951	23.8477	22.5716
FBgn00341	36926	CG6984	0	0	1	-0.0587258	9.71881	9.19673

FBgn00352	38258	Cnb	0	0	1	-0.0587258	4.08087	3.86165
FBgn00379	41395	CG14711	0	0	1	-0.0587891	8.85426	8.37862
FBgn00359	39097	CG3552	0	0	1	-0.0587906	43.0077	40.7064
FBgn00140	41141	mRpL47	0	0	1	-0.0588789	16.899	15.9912
FBgn00296	31319	CG14270	0	0	1	-0.0588939	41.7099	39.4731
FBgn02599	41985	CG42446	0	0	1	-0.0588966	106.11	100.426
FBgn00402	53445	Roc1b	0	0	1	-0.0589836	47.2602	44.7215
FBgn00400	40092	rept	0	0	1	-0.0590744	26.3629	24.9467
FBgn00005	31265	dwg	0	0	1	-0.0591698	2.6251	2.48262
FBgn00157	43294	Hmu	0	0	1	-0.0591698	52.1845	49.38
FBgn00309	32864	CCKLR-17D	0	0	1	-0.0591698	0.610997	0.576864
FBgn00311	33143	CG17601	0	0	1	-0.0591698	0.839991	0.791822
FBgn00337	36447	GLaz	0	0	1	-0.0591698	32.2465	30.5118
FBgn00349	37881	Ir60a	0	0	1	-0.0591698	0.116346	0.108736
FBgn00349	37883	CG13575	0	0	1	-0.0591698	0.132975	0.124278
FBgn00371	40472	CG11425	0	0	1	-0.0591698	6.38047	6.03479
FBgn00375	40983	tex	0	0	1	-0.0591698	4.15922	3.93304
FBgn00381	41699	Art6	0	0	1	-0.0591698	2.50032	2.36335
FBgn00390	42732	CG6738	0	0	1	-0.0591698	0.193849	0.181171
FBgn00524	8673958	CR32496	0	0	1	-0.0591698	1.03649	0.977056
FBgn00829	5740291	snoRNA:M	0	0	1	-0.0591698	28.5288	26.9583
FBgn00829	5740576	snoRNA:Psi	0	0	1	-0.0591698	40.3582	38.1699
FBgn02642	34836	Send2	0	0	1	-0.0591698	0.323332	0.302186
FBgn02651	14462458	CR44233	0	0	1	-0.0591698	0.859997	0.803753
FBgn02655	19835725	CR44369	0	0	1	-0.0591698	3.77688	3.56824
FBgn02662	19835691	CR44936	0	0	1	-0.0591698	0.181742	0.169856
FBgn02663	19835330	asRNA:CR4	0	0	1	-0.0591698	1.42673	1.34702
FBgn02667	19835603	CR45196	0	0	1	-0.0591698	0.662892	0.623614
FBgn02667	19836090	CR45228	0	0	1	-0.0591698	1.02464	0.965882
FBgn02667	19835516	asRNA:CR4	0	0	1	-0.0591698	2.12179	1.99607
FBgn02671	19834770	CR45609	0	0	1	-0.0591698	0.470412	0.439647
FBgn02672	19835722	CR45650	0	0	1	-0.0591698	0.330593	0.308972
FBgn02674	26067124	CR45793	0	0	1	-0.0591698	1.80467	1.70385
FBgn02676	26067302	CR45975	0	0	1	-0.0591698	0.462586	0.432333

FBgn00677	42429	DPCoAC	0	0	1	-0.0592614	21.4596	20.3042
FBgn00505	246656	CG30503	0	0	1	-0.0593387	14.3109	13.5389
FBgn00383	41931	EndoU	0	0	1	-0.0594246	10.6155	10.0417
FBgn00360	39139	CG14174	0	0	1	-0.0594672	13.9422	13.1878
FBgn00521	40028	CG32199	0	0	1	-0.0594672	35.4156	33.5045
FBgn00321	34269	CG17855	0	0	1	-0.0595716	12.7881	12.0961
FBgn00391	42807	PTPMT1	0	0	1	-0.0595767	20.4904	19.3815
FBgn00306	32523	mRpL3	0	0	1	-0.0596358	15.3686	14.5359
FBgn00384	42041	VhaM9.7-d	0	0	1	-0.0596646	36.4187	34.4446
FBgn00387	42380	Hs6st	0	0	1	-0.059706	5.35501	5.06452
FBgn00503	246566	cola	0	0	1	-0.0597396	64.1134	60.6439
FBgn00503	246569	swif	0	0	1	-0.0597396	64.1134	60.6439
FBgn02664	19835248	asRNA:CR4	0	0	1	-0.0597658	7.54871	7.13926
FBgn00852	5740826	CG34189	0	0	1	-0.0597888	14.884	14.0723
FBgn00303	32142	ATP7	0	0	1	-0.0598838	21.7891	20.6079
FBgn00011	41032	hb	0	0	1	-0.0599019	1.58066	1.49423
FBgn00377	41154	CG16789	0	0	1	-0.059937	2.1155	1.99972
FBgn00512	42316	CG31245	0	0	1	-0.0599579	52.7317	49.8687
FBgn00342	37014	Dlish	0	0	1	-0.0599755	7.8739	7.44467
FBgn00351	38124	CG9119	0	0	1	-0.0599823	27.1412	25.6664
FBgn00360	39129	CG16717	0	0	1	-0.0600783	13.7377	12.9895
FBgn00100	43670	CanA1	0	0	1	-0.0600913	6.3073	5.96371
FBgn00033	32406	rut	0	0	1	-0.0601273	6.29103	5.94883
FBgn02604	34878	GABA-B-R1	0	0	1	-0.060128	4.94328	4.67411
FBgn00034	33607	slp1	0	0	1	-0.060246	2.88798	2.72874
FBgn02616	31507	CG42699	0	0	1	-0.0603235	3.59233	3.39595
FBgn00284	38489	Ack	0	0	1	-0.0604527	19.7741	18.6946
FBgn02670	32183	Ten-a	0	0	1	-0.0604566	3.25054	3.07301
FBgn00116	33659	ine	0	0	1	-0.0605115	15.9195	15.0496
FBgn00310	32970	Ranbp21	0	0	1	-0.0605613	4.35616	4.11768
FBgn00334	35980	Or45b	0	0	1	-0.0606412	2.5215	2.38114
FBgn00383	41940	CG5516	0	0	1	-0.0607014	25.0979	23.7209
FBgn02623	12797997	CG43054	0	0	1	-0.0608761	9.79253	9.24997
FBgn00155	33112	peng	0	0	1	-0.0610318	7.07206	6.68228

FBgn00307	32626	CG13014	0	0	1	-0.0610794	4.38913	4.14506
FBgn00379	41397	CG14712	0	0	1	-0.0611014	25.5297	24.1253
FBgn00373	40659	Hcs	0	0	1	-0.061138	9.07842	8.57829
FBgn00337	36357	CG8520	0	0	1	-0.0611833	46.7005	44.1288
FBgn00336	36249	Tret1-2	0	0	1	-0.0612003	7.7596	7.33069
FBgn00355	38573	CG15876	0	0	1	-0.0612003	6.81066	6.43112
FBgn00299	31673	CG15035	0	0	1	-0.0612738	41.6063	39.3119
FBgn00378	41263	CG12592	0	0	1	-0.0612765	18.4607	17.4423
FBgn00435	246669	Obp57b	0	0	1	-0.0613087	37.9764	35.8796
FBgn00387	42328	CG15025	0	0	1	-0.0613285	46.7772	44.1962
FBgn00316	326171	CG31917	0	0	1	-0.061354	21.6931	20.4932
FBgn02659	7354403	Tfb5	0	0	1	-0.061354	21.6931	20.4932
FBgn00330	35574	CG9422	0	0	1	-0.0613673	5.13005	4.84558
FBgn00301	31920	CG1468	0	0	1	-0.0614071	200.699	189.62
FBgn00118	43875	Ret	0	0	1	-0.0614948	0.77555	0.732103
FBgn02667	42929	Esyt2	0	0	1	-0.0615088	39.6581	37.466
FBgn02599	35507	CG17337	0	0	1	-0.0615397	78.1799	73.8569
FBgn00381	41674	omd	0	0	1	-0.0615493	10.1751	9.61177
FBgn00359	39083	CG3689	0	0	1	-0.0615615	20.0028	18.8957
FBgn00316	33735	CG14036	0	0	1	-0.0615823	16.8236	15.8865
FBgn00381	41709	foxo	0	0	1	-0.0616893	26.5745	25.1023
FBgn00338	36465	CG4676	0	0	1	-0.0617437	5.05081	4.76806
FBgn02628	12798301	CG43235	0	0	1	-0.0617437	68.9833	65.1569
FBgn00315	33542	CG15406	0	0	1	-0.0617804	63.3166	59.8052
FBgn00512	318666	CG31294	0	0	1	-0.0618632	66.0763	62.4068
FBgn00136	19893531	mt:tRNA:C	0	0	1	-0.0618893	78.9348	74.5059
FBgn00345	37319	Cpr57A	0	0	1	-0.0618893	1.08386	1.02171
FBgn00435	246671	Obp57d	0	0	1	-0.0618893	1.08386	1.02171
FBgn02663	19835542	asRNA:CR4	0	0	1	-0.0618893	7.10477	6.69735
FBgn00500	246439	Blos1	0	0	1	-0.0619848	11.6994	11.0449
FBgn02630	12798461	CG43329	0	0	1	-0.0620181	32.0611	30.275
FBgn00337	36398	CG13148	0	0	1	-0.0620278	6.51925	6.15505
FBgn00348	37669	RpL37b	0	0	1	-0.0620523	10.9381	10.3228
FBgn00235	31153	mip130	0	0	1	-0.0620961	5.28156	4.98686

FBgn00304	32211	CG1463	0	0	1	-0.0621203	12.3858	11.6946
FBgn02651	19834761	CG44249	0	0	1	-0.0622361	2.91129	2.74705
FBgn00047	44887	mdy	0	0	1	-0.0622592	18.2516	17.2331
FBgn00303	32177	CG15734	0	0	1	-0.0623163	28.9439	27.3233
FBgn00403	31020	CG5254	0	0	1	-0.062337	15.0516	14.21
FBgn00422	59240	GstD10	0	0	1	-0.062337	9.61803	9.078
FBgn00504	246638	ave	0	0	1	-0.0623722	22.9175	21.6329
FBgn00327	35157	CG10431	0	0	1	-0.0624227	12.2581	11.5726
FBgn00467	3772292	pncr017:3F	0	0	1	-0.0624449	0.958159	0.902491
FBgn00539	3772464	CG33914	0	0	1	-0.0624449	1.27529	1.20264
FBgn00027	49228	mod(mdg4	0	0	1	-0.0624993	7.98617	7.53957
FBgn00367	39960	CG7542	0	0	1	-0.0625055	52.0982	49.1831
FBgn00421	59176	CG18815	0	0	1	-0.0625069	40.8221	38.5383
FBgn00362	39434	nst	0	0	1	-0.0625788	15.4439	14.5784
FBgn00333	35926	Phax	0	0	1	-0.0626007	7.34052	6.92782
FBgn00320	34157	CG13392	0	0	1	-0.0626479	9.71119	9.16415
FBgn00359	39057	CG4483	0	0	1	-0.0626842	5.06417	4.77848
FBgn02674	26067137	asRNA:CR4	0	0	1	-0.0626971	17.3243	16.3516
FBgn00286	45247	VhaPPA1-1	0	0	1	-0.062698	122.538	115.67
FBgn02628	12798253	CG43246	0	0	1	-0.0627167	17.0717	16.1099
FBgn00316	33743	CG4230	0	0	1	-0.0627488	41.41	39.0871
FBgn02604	318211	HIP	0	0	1	-0.0628395	33.802	31.9034
FBgn02666	40712	Sec8	0	0	1	-0.0628589	25.5328	24.0986
FBgn00152	42036	Glut3	0	0	1	-0.0628815	23.1749	21.8718
FBgn00519	33778	Cap-D3	0	0	1	-0.0630165	3.14532	2.9677
FBgn02615	10178822	CG42697	0	0	1	-0.0630712	19.5462	18.4426
FBgn00344	37286	ppk6	0	0	1	-0.0630848	3.4908	3.29248
FBgn00043	43235	T48	0	0	1	-0.0631295	5.97234	5.6348
FBgn00382	41778	Hexim	0	0	1	-0.0631717	12.9513	12.2197
FBgn00300	31761	sni	0	0	1	-0.0632423	14.9218	14.0787
FBgn00344	37285	CG11208	0	0	1	-0.0633657	14.4639	13.6457
FBgn00362	39428	CG10654	0	0	1	-0.0634486	15.5902	14.7073
FBgn00366	39847	Syx8	0	0	1	-0.0634941	18.3827	17.3398
FBgn00222	35592	ubl	0	0	1	-0.0635682	20.4336	19.2695

FBgn00348	37681	LS2	0	0	1	-0.0635682	5.73881	5.41186
FBgn02617	42274	snRNP-U1-	0	0	1	-0.0636118	10.1998	9.61783
FBgn02633	19836027	CR43405	0	0	1	-0.0636294	23.5994	22.2557
FBgn00330	35571	CG17266	0	0	1	-0.0636712	6.52291	6.14997
FBgn00370	40376	CG7202	0	0	1	-0.063711	95.6874	90.2596
FBgn00037	38504	tipE	0	0	1	-0.0637864	10.6488	10.0438
FBgn00421	59141	CG18745	0	0	1	-0.0637875	16.0238	15.1127
FBgn00102	34102	Trf	0	0	1	-0.0637949	6.84557	6.45404
FBgn00003	33937	cort	0	0	1	-0.0638922	3.41072	3.21513
FBgn00538	3771809	His2B:CG33	0	0	1	-0.0638922	3.13116	2.94822
FBgn00430	117368	prt	0	0	1	-0.0639937	2.96331	2.79338
FBgn00306	32521	CG8260	0	0	1	-0.0640355	6.69229	6.30927
FBgn00291	42986	ssh	0	0	1	-0.0640909	22.1151	20.8553
FBgn00307	32552	Lrp4	0	0	1	-0.0641095	8.99678	8.48399
FBgn00218	47408	Vps28	0	0	1	-0.0641258	38.3793	36.1905
FBgn00298	31522	CG4020	0	0	1	-0.0641632	8.99365	8.47952
FBgn00139	44339	imd	0	0	1	-0.064201	14.0132	13.2123
FBgn00305	32408	CG14411	0	0	1	-0.0642676	13.2594	12.5019
FBgn00520	39198	Rbfox1	0	0	1	-0.0644222	12.9976	12.2543
FBgn00519	319021	CG31910	0	0	1	-0.0645184	71.9284	67.8093
FBgn00435	246667	Obp56i	0	0	1	-0.0645909	12.8192	12.0821
FBgn00370	40275	CG17637	0	0	1	-0.0645929	61.9454	58.3958
FBgn00000	40831	Ama	0	0	1	-0.0647079	0.400095	0.375597
FBgn00378	41254	Sirt6	0	0	1	-0.0647079	2.87052	2.7032
FBgn00388	42518	Oga	0	0	1	-0.0647079	7.08827	6.68092
FBgn00530	318825	mRpL27	0	0	1	-0.0647079	5.16152	4.86229
FBgn02626	19835275	CR43130	0	0	1	-0.0647079	8.16166	7.68331
FBgn02646	14462843	CG43965	0	0	1	-0.0647079	8.21231	7.72571
FBgn00321	34282	GlcAT-S	0	0	1	-0.0647354	20.9327	19.7308
FBgn00421	59217	CG18869	0	0	1	-0.0648075	54.9096	51.7557
FBgn02617	39720	fwe	0	0	1	-0.0648826	29.243	27.5617
FBgn00333	35890	CG8243	0	0	1	-0.0649379	8.34198	7.8611
FBgn00334	36012	CG1663	0	0	1	-0.0649955	11.169	10.5243
FBgn00371	40395	CRIF	0	0	1	-0.0650106	18.1736	17.1242

FBgn02618	10178861	pre-mod(m	0	0	1	-0.065024	13.3697	12.5986
FBgn02618	10178929	pre-mod(m	0	0	1	-0.065024	13.3697	12.5986
FBgn00378	41283	CG14689	0	0	1	-0.0651297	37.4326	35.2739
FBgn00364	39585	CG9592	0	0	1	-0.0651424	21.784	20.5239
FBgn02678	26067452	asRNA:CR4	0	0	1	-0.0651424	12.8687	12.1244
FBgn00530	318857	CG33082	0	0	1	-0.0651685	23.2667	21.9242
FBgn00035	36380	stil	0	0	1	-0.0652315	10.0446	9.46254
FBgn00866	4379842	CG34112	0	0	1	-0.0652759	15.403	14.5116
FBgn02600	5740185	UQCR-11	0	0	1	-0.0653919	48.9417	46.1114
FBgn00858	5740153	CR41620	0	0	1	-0.0654288	4.03302	3.79405
FBgn00521	317907	CG32195	0	0	1	-0.0654962	8.6766	8.17396
FBgn00343	37168	MFS15	0	0	1	-0.0656265	18.5964	17.5172
FBgn00263	34796	RpII33	0	0	1	-0.0657397	7.68264	7.23378
FBgn02599	8673966	Skadu	0	0	1	-0.0657637	41.4194	39.0111
FBgn00286	34787	Adat1	0	0	1	-0.0657704	19.8248	18.6732
FBgn00276	32938	Pfrx	0	0	1	-0.0658283	24.3062	22.8939
FBgn00505	35670	fa2h	0	0	1	-0.0658644	18.1071	17.0529
FBgn00518	318972	CG31835	0	0	1	-0.0658644	19.5895	18.4488
FBgn00857	5740167	CR41506	0	0	1	-0.0658644	1.19244	1.12038
FBgn00405	50005	CG8369	0	0	1	-0.0659071	56.5113	53.2225
FBgn00376	41021	SLIRP2	0	0	1	-0.0659737	20.7532	19.5385
FBgn00862	326122	rumi	0	0	1	-0.065994	4.67673	4.40263
FBgn00426	43782	Nfl	0	0	1	-0.0660297	21.548	20.2931
FBgn00320	34187	Uba4	0	0	1	-0.0660394	15.5782	14.6695
FBgn00347	37552	Liprin-gamı	0	0	1	-0.066123	8.26987	7.78746
FBgn00531	318894	CG33136	0	0	1	-0.066188	39.1962	36.9082
FBgn00377	41165	CG8319	0	0	1	-0.0662892	6.76376	6.36656
FBgn02623	12797894	CG43063	0	0	1	-0.0662892	35.9548	33.8496
FBgn00504	246627	CG30463	0	0	1	-0.0663212	17.4059	16.3889
FBgn00241	44724	san	0	0	1	-0.0663653	34.5517	32.5292
FBgn00333	35850	CG8635	0	0	1	-0.0663653	23.6851	22.2993
FBgn00350	37925	Fcp1	0	0	1	-0.0663653	4.35878	4.10322
FBgn00383	41945	GATAe	0	0	1	-0.0664273	6.16155	5.80043
FBgn00517	261621	CG31706	0	0	1	-0.0664601	8.65854	8.15024

FBgn00232	42435	EloB	0	0	1	-0.0664634	45.154	42.5104
FBgn00397	43610	CG15536	0	0	1	-0.0664746	18.3842	17.3041
FBgn00158	38565	HDAC1	0	0	1	-0.0664869	15.5136	14.6045
FBgn00055	40129	Shal	0	0	1	-0.0665117	5.94044	5.59213
FBgn00319	34066	r2d2	0	0	1	-0.0665224	22.6271	21.3011
FBgn00390	42686	CG4907	0	0	1	-0.0665757	48.983	46.1134
FBgn00538	3772265	His2B:CG33	0	0	1	-0.0666449	3.97237	3.73441
FBgn00046	33204	Plc21C	0	0	1	-0.0667191	18.9574	17.845
FBgn00336	36227	CG13204	0	0	1	-0.0667715	3.74735	3.52601
FBgn00854	34669	nub	0	0	1	-0.0668233	6.63291	6.24281
FBgn02671	19835338	asRNA:CR4	0	0	1	-0.0668233	3.69334	3.47254
FBgn00337	36362	Dyb	0	0	1	-0.066831	14.0287	13.2041
FBgn00852	5740811	CG34231	0	0	1	-0.0669365	22.7069	21.3697
FBgn00409	50380	CG15579	0	0	1	-0.0671076	8.59282	8.08072
FBgn00024	43288	l(3)mbt	0	0	1	-0.0671196	8.53566	8.03219
FBgn00527	318168	CG32718	0	0	1	-0.0671225	18.9552	17.8352
FBgn00305	32402	CG5334	0	0	1	-0.0671626	5.04555	4.74504
FBgn00298	3772383	CG15891	0	0	1	-0.0672748	7.94953	7.47665
FBgn00395	43393	AstA-R2	0	0	1	-0.0673903	4.14266	3.89655
FBgn00349	37797	CG13562	0	0	1	-0.0674026	7.63237	7.17899
FBgn00308	32722	CG5445	0	0	1	-0.0674041	34.3669	32.3344
FBgn00260	31137	CG14812	0	0	1	-0.0674374	30.3029	28.5074
FBgn00462	41376	CG17230	0	0	1	-0.0675183	22.0616	20.7552
FBgn00340	36803	CG3687	0	0	1	-0.0675211	30.2024	28.4106
FBgn00329	35358	CG14401	0	0	1	-0.0675321	33.988	31.9742
FBgn00206	42843	KrT95D	0	0	1	-0.0675772	22.0233	20.7186
FBgn00025	43155	E(spl)m2-B	0	0	1	-0.0676313	0.523008	0.488803
FBgn00030	40104	pip	0	0	1	-0.0676313	0.232981	0.218902
FBgn00309	32901	Inx5	0	0	1	-0.0676313	7.84839	7.38165
FBgn00392	43033	Cad96Cb	0	0	1	-0.0676313	0.514257	0.482769
FBgn00502	12798141	asRNA:CR3	0	0	1	-0.0676313	1.39591	1.31114
FBgn00516	35427	CG31612	0	0	1	-0.0676313	1.37696	1.29448
FBgn00522	317944	CG32263	0	0	1	-0.0676313	9.17652	8.62896
FBgn00539	3771875	CG33920	0	0	1	-0.0676313	0.921765	0.861481

FBgn02624	12798579	CG43074	0	0	1	-0.0676313	1.51971	1.42512
FBgn02628	12798408	CG43191	0	0	1	-0.0676313	16.6128	15.6254
FBgn02642	14462578	CR43771	0	0	1	-0.0676313	0.771215	0.720777
FBgn02667	19835739	CR45220	0	0	1	-0.0676313	2.07011	1.94126
FBgn00249	44736	CG3719	0	0	1	-0.0676966	43.5001	40.917
FBgn00341	36816	CG7755	0	0	1	-0.0677417	32.4516	30.5241
FBgn00379	41425	CG17360	0	0	1	-0.0678056	15.6072	14.68
FBgn00303	32138	Cyp28c1	0	0	1	-0.0678394	6.79717	6.39165
FBgn00360	39168	CG6707	0	0	1	-0.0679095	45.6992	42.9817
FBgn02631	39031	Galk	0	0	1	-0.06792	38.9947	36.6758
FBgn00326	35056	GCS2beta	0	0	1	-0.0679238	17.8801	16.8159
FBgn00109	46194	Spn	0	0	1	-0.0679297	9.24448	8.69463
FBgn00346	37510	CG13501	0	0	1	-0.0679454	17.7489	16.6918
FBgn00387	42414	Sirt2	0	0	1	-0.0679679	30.6785	28.8527
FBgn02599	8674114	inaF-B	0	0	1	-0.068014	39.6152	37.2571
FBgn00026	33045	mal	0	0	1	-0.0680869	9.67901	9.10167
FBgn02673	2768679	p38c	0	0	1	-0.0681029	16.8859	15.8776
FBgn00013	40285	knrl	0	0	1	-0.0681201	3.69901	3.47787
FBgn00504	246611	CG30432	0	0	1	-0.0681434	20.9181	19.6682
FBgn00349	37854	CG10339	0	0	1	-0.0681585	2.26646	2.12981
FBgn00327	35234	CG10189	0	0	1	-0.0681916	11.9822	11.2656
FBgn00348	37694	CG9863	0	0	1	-0.0681916	22.2649	20.9348
FBgn00366	39819	CG4753	0	0	1	-0.0683421	32.6232	30.6732
FBgn00853	5740126	CG34287	0	0	1	-0.0685076	45.2917	42.5789
FBgn00532	2768860	CG33225	0	0	1	-0.0685942	13.4081	12.6024
FBgn00316	33680	CG3225	0	0	1	-0.0686301	4.93925	4.64208
FBgn00396	43457	Cyt-c1L	0	0	1	-0.0687105	20.2797	19.0614
FBgn00313	33396	CG15385	0	0	1	-0.0687168	11.5447	10.8513
FBgn00825	38821	akirin	0	0	1	-0.0687255	48.3368	45.4371
FBgn00333	35848	beta3GalTI	0	0	1	-0.0689177	2.54554	2.39041
FBgn00466	140439	Tre1	0	0	1	-0.0689177	7.97283	7.49205
FBgn00523	38751	CG32392	0	0	1	-0.068968	14.3404	13.4771
FBgn02509	3885573	Octbeta3R	0	0	1	-0.0689826	1.7137	1.61014
FBgn00333	35912	CG8197	0	0	1	-0.0690024	17.3241	16.2799

FBgn00382	41735	CG14841	0	0	1	-0.0690544	10.3838	9.7557
FBgn00317	33853	CG13994	0	0	1	-0.0691512	36.8845	34.6575
FBgn00348	37706	eIF2Bdelta	0	0	1	-0.0691865	6.97083	6.5493
FBgn02626	12798584	CR43142	0	0	1	-0.0692234	16.0114	15.0404
FBgn00332	35712	CG12107	0	0	1	-0.0692447	50.4928	47.4439
FBgn00336	36294	CG13186	0	0	1	-0.0694082	40.7498	38.2841
FBgn00308	32728	CG8568	0	0	1	-0.0694381	0.483227	0.452851
FBgn00369	40247	CG13247	0	0	1	-0.0694381	1.98162	1.85949
FBgn02662	19835662	CR44917	0	0	1	-0.0694381	0.591083	0.553926
FBgn00103	32858	Cyp18a1	0	0	1	-0.0696742	2.64477	2.48352
FBgn00155	40906	alpha-Est4	0	0	1	-0.0697197	5.80298	5.44946
FBgn00322	34484	CG6729	0	0	1	-0.0697612	5.91807	5.55816
FBgn00305	32379	mRNA-cap	0	0	1	-0.0698266	23.0089	21.6113
FBgn00348	37664	Art7	0	0	1	-0.0698962	4.66353	4.37892
FBgn02592	43781	RhoGAP10	0	0	1	-0.0698962	8.69713	8.1684
FBgn02675	26067236	asRNA:CR4	0	0	1	-0.0698962	5.81907	5.46131
FBgn00002	41144	by	0	0	1	-0.0699233	23.0887	21.6855
FBgn02619	10178961	CG42808	0	0	1	-0.069944	156.325	146.822
FBgn00285	34948	CG4891	0	0	1	-0.0700022	17.8338	16.7462
FBgn00152	44052	Shc	0	0	1	-0.0700092	19.847	18.6383
FBgn02669	19836228	CG45413	0	0	1	-0.0700171	10.6372	9.98704
FBgn00033	41605	ry	0	0	1	-0.0700239	8.64267	8.11638
FBgn00267	32373	l(1)G0007	0	0	1	-0.0700494	3.8394	3.60509
FBgn00356	38665	CG13288	0	0	1	-0.0701052	1.46124	1.3707
FBgn00117	41566	Arp1	0	0	1	-0.0703715	44.5776	41.8546
FBgn00241	44096	wit	0	0	1	-0.0704433	8.55892	8.03536
FBgn00286	35701	Rpt1	0	0	1	-0.0704687	53.8328	50.5415
FBgn00514	318720	CG31413	0	0	1	-0.0705488	23.1566	21.7387
FBgn02614	40528	DhpD	0	0	1	-0.0706193	21.8605	20.5207
FBgn00296	31366	CG15570	0	0	1	-0.0706654	0.357495	0.334874
FBgn00344	37207	tbrd-2	0	0	1	-0.0706654	15.68	14.7186
FBgn00390	42776	CG10168	0	0	1	-0.0706654	2.50199	2.34711
FBgn00394	43220	CG6403	0	0	1	-0.0706654	1.00237	0.936817
FBgn02629	12798488	CR43282	0	0	1	-0.0706654	6.96207	6.53109

FBgn02647	14462912	CR43995	0	0	1	-0.0706654	2.97928	2.78443
FBgn02671	19834776	CR45553	0	0	1	-0.0706654	0.540128	0.504803
FBgn02677	26067397	CR46080	0	0	1	-0.0706654	3.33194	3.12111
FBgn00335	36172	CG9084	0	0	1	-0.0707621	11.5651	10.854
FBgn00318	34002	CG4502	0	0	1	-0.0708305	28.0069	26.2876
FBgn00408	2768954	CG12355	0	0	1	-0.0708865	29.6844	27.8604
FBgn00040	31230	z	0	0	1	-0.0709036	7.76744	7.28944
FBgn02643	14462824	CR43785	0	0	1	-0.0709131	15.0727	14.1401
FBgn00340	36805	CG15708	0	0	1	-0.0709376	24.9758	23.4388
FBgn00313	33309	CG5139	0	0	1	-0.0709394	72.9836	68.498
FBgn02630	31991	CG43347	0	0	1	-0.0709604	1.64079	1.53969
FBgn00362	39351	Rpt4R	0	0	1	-0.0709676	21.1974	19.8933
FBgn00364	39656	CG6878	0	0	1	-0.071102	34.5619	32.4299
FBgn00854	5740323	smal	0	0	1	-0.0711587	4.13109	3.87625
FBgn00296	31243	eIF3g1	0	0	1	-0.0711673	43.5646	40.8799
FBgn00409	50378	CG15577	0	0	1	-0.0712695	57.4742	53.9264
FBgn00321	34327	CG5850	0	0	1	-0.0713301	29.1566	27.358
FBgn00531	35642	CG33140	0	0	1	-0.0713599	16.7718	15.736
FBgn00297	31408	Proc-R	0	0	1	-0.0714332	6.07625	5.70035
FBgn00522	317935	CG32243	0	0	1	-0.0714601	13.5385	12.7007
FBgn00056	44315	pie	0	0	1	-0.0714671	3.82024	3.58284
FBgn02672	19835328	asRNA:CR4	0	0	1	-0.071483	2.16739	2.03283
FBgn00202	40330	ko	0	0	1	-0.0714983	5.31336	4.98448
FBgn00112	37744	l(2)efl	0	0	1	-0.0715067	79.7798	74.847
FBgn00503	246550	CG30340	0	0	1	-0.0715535	1.4445	1.35266
FBgn00313	33391	CG15382	0	0	1	-0.0716372	7.92943	7.43587
FBgn00376	41113	pasi2	0	0	1	-0.0716537	15.7804	14.8022
FBgn00033	33599	Shaw	0	0	1	-0.0716607	10.3162	9.67728
FBgn00348	37755	Sesn	0	0	1	-0.0717024	20.4811	19.2126
FBgn02666	19835473	asRNA:CR4	0	0	1	-0.0717024	10.5386	9.879
FBgn02609	35931	alc	0	0	1	-0.0717665	46.2483	43.3814
FBgn00372	40602	CG14657	0	0	1	-0.0718632	10.5181	9.86491
FBgn00258	41779	Rad17	0	0	1	-0.0720736	4.36242	4.08958
FBgn00263	41079	Prosbeta3	0	0	1	-0.0721459	116.246	109.013

FBgn00313	33390	AIF	0	0	1	-0.07216	36.9578	34.6579
FBgn00353	38278	CG13810	0	0	1	-0.0722259	1.30791	1.22447
FBgn02649	14462517	CR44092	0	0	1	-0.0722259	1.8746	1.752
FBgn00378	41281	CG14684	0	0	1	-0.072331	23.6956	22.2125
FBgn00365	39732	sff	0	0	1	-0.0723728	6.09409	5.71372
FBgn00303	32116	CG2371	0	0	1	-0.072475	7.81084	7.32086
FBgn00324	34685	Pih1D1	0	0	1	-0.07261	17.3023	16.2203
FBgn00530	39807	CG33060	0	0	1	-0.0726207	52.583	49.2898
FBgn00306	32528	Efhc1.1	0	0	1	-0.0727322	20.6349	19.3425
FBgn00010	44819	g	0	0	1	-0.0727527	9.95077	9.32727
FBgn02615	10178943	CG42691	0	0	1	-0.0727527	19.8661	18.6194
FBgn00393	43142	CG14546	0	0	1	-0.0727868	31.8799	29.8819
FBgn00248	40221	Clc	0	0	1	-0.0728027	53.9519	50.5713
FBgn00368	40144	CG8786	0	0	1	-0.0728107	8.3333	7.81073
FBgn00348	37730	pita	0	0	1	-0.0728829	11.1431	10.4437
FBgn02674	26067045	Mst77Y-13	0	0	1	-0.0729328	17.1117	16.0343
FBgn00306	32429	hiw	0	0	1	-0.072979	4.43669	4.15817
FBgn00345	37303	CG13871	0	0	1	-0.0731766	11.9032	11.1531
FBgn02612	3771856	CheA84a	0	0	1	-0.0731766	2.14999	2.00938
FBgn00304	32217	Tomosyn	0	0	1	-0.0731867	15.3561	14.3902
FBgn00217	45680	Tapdelta	0	0	1	-0.0732535	52.0555	48.7774
FBgn00397	43589	CG15530	0	0	1	-0.0732962	59.3243	55.589
FBgn02615	31136	FBgn02615	0	0	1	-0.0733001	15.2654	14.3041
FBgn02634	12798512	CR43475	0	0	1	-0.0733001	15.6999	14.7054
FBgn00334	35969	prel	0	0	1	-0.0733699	68.5657	64.2449
FBgn00374	40842	CG1965	0	0	1	-0.0733862	15.9018	14.899
FBgn00866	38652	Bre1	0	0	1	-0.0734246	8.88585	8.32505
FBgn00405	50024	CG11686	0	0	1	-0.0734849	91.185	85.4282
FBgn02611	39688	mrn	0	0	1	-0.073496	8.92277	8.35816
FBgn00323	34530	Samuel	0	0	1	-0.0735038	3.69053	3.45719
FBgn02674	26067152	CR45824	0	0	1	-0.0735251	2.2811	2.13458
FBgn00404	36251	Buffy	0	0	1	-0.0736067	26.2796	24.6173
FBgn00304	32238	CG4661	0	0	1	-0.0736167	38.2323	35.8165
FBgn00513	318693	CG31347	0	0	1	-0.0736839	71.3327	66.8215

FBgn00153	36678	chn	0	0	1	-0.0737221	8.31175	7.78581
FBgn00262	35394	clumsy	0	0	1	-0.0737248	13.0376	12.2125
FBgn02619	39977	CG42816	0	0	1	-0.0737342	12.4859	11.6958
FBgn02669	19835042	CR45423	0	0	1	-0.0738165	6.45932	6.04608
FBgn00031	40990	Poxm	0	0	1	-0.0739034	3.66275	3.42954
FBgn00392	42931	CG13625	0	0	1	-0.0739034	4.48836	4.20257
FBgn00315	33573	CG17593	0	0	1	-0.0739483	33.9082	31.758
FBgn02640	14462673	CG43750	0	0	1	-0.0739563	15.7787	14.776
FBgn02674	26067044	CG45766	0	0	1	-0.0739696	19.7492	18.4936
FBgn00152	42828	Rpt2	0	0	1	-0.0740391	65.6235	61.4596
FBgn00380	41542	CG12267	0	0	1	-0.074109	5.06645	4.74297
FBgn00316	33688	mRpS2	0	0	1	-0.0741589	12.9102	12.087
FBgn00260	41955	Mhcl	0	0	1	-0.0741726	10.2856	9.63214
FBgn00116	35796	Mlh1	0	0	1	-0.0741742	3.29659	3.08568
FBgn00362	39364	viaf	0	0	1	-0.0741859	13.375	12.5227
FBgn00372	40551	CG1090	0	0	1	-0.0742557	8.32954	7.79931
FBgn00852	5740468	CG34213	0	0	1	-0.0742767	6.81744	6.37785
FBgn00004	31118	dor	0	0	1	-0.0744614	4.81183	4.50433
FBgn00376	41112	Aduk	0	0	1	-0.0745177	8.27749	7.74844
FBgn00285	34774	ics	0	0	1	-0.0745235	21.559	20.1831
FBgn00380	41567	CG14391	0	0	1	-0.0745611	48.3219	45.2356
FBgn00374	40766	Osi12	0	0	1	-0.0746234	1.14078	1.06617
FBgn00532	12798104	CR33221	0	0	1	-0.0746234	2.63182	2.46182
FBgn00274	40710	Madm	0	0	1	-0.0746775	6.03691	5.65069
FBgn00326	35055	CG5110	0	0	1	-0.0747114	28.8365	26.9906
FBgn00357	38758	CG10075	0	0	1	-0.0747666	18.628	17.4343
FBgn00025	40817	lab	0	0	1	-0.0748941	0.73944	0.69108
FBgn00305	32416	CG9518	0	0	1	-0.0748941	1.72384	1.61274
FBgn00328	35354	CG14400	0	0	1	-0.0748941	20.1252	18.8341
FBgn00385	42135	TyrRII	0	0	1	-0.0748941	0.508657	0.47539
FBgn00393	43044	CG11858	0	0	1	-0.0748941	13.8187	12.9281
FBgn00504	246599	Rpi	0	0	1	-0.0749336	11.0431	10.3338
FBgn02612	36587	SelD	0	0	1	-0.0750351	10.3151	9.65254
FBgn00301	31923	CG9691	0	0	1	-0.0751028	96.0549	89.8914

FBgn00370	40363	ebd2	0	0	1	-0.0754033	6.39266	5.97984
FBgn00376	41031	CG11755	0	0	1	-0.0755126	23.4563	21.9428
FBgn00525	32638	CG32573	0	0	1	-0.0755244	5.36783	5.02041
FBgn00140	33621	Sr-CI	0	0	1	-0.0755642	4.45764	4.16906
FBgn00367	39932	brv2	0	0	1	-0.0755642	2.76069	2.58151
FBgn02602	8674080	CG42512	0	0	1	-0.0755642	5.41109	5.06078
FBgn02659	19836162	CR44754	0	0	1	-0.0755642	0.684344	0.639587
FBgn00318	33989	Caper	0	0	1	-0.0755871	25.8389	24.1732
FBgn00337	36339	Den1	0	0	1	-0.0756252	26.7188	24.9945
FBgn00375	40916	pyd3	0	0	1	-0.075628	35.2026	32.9313
FBgn02673	34046	Ntl	0	0	1	-0.0756381	37.8776	35.4345
FBgn00357	38805	CG8607	0	0	1	-0.0756724	3.47582	3.2485
FBgn00344	37224	CG10062	0	0	1	-0.0756971	4.30877	4.0299
FBgn00299	31623	xit	0	0	1	-0.0757051	6.59559	6.16819
FBgn00312	33256	Pex12	0	0	1	-0.0757051	5.14105	4.8079
FBgn02664	19835713	CG45081	0	0	1	-0.0757209	11.0888	10.3685
FBgn00341	36848	Syn2	0	0	1	-0.0757878	8.27755	7.74232
FBgn02591	7354413	CG42263	0	0	1	-0.0758355	21.9593	20.538
FBgn00370	40346	CG9391	0	0	1	-0.0759624	57.6687	53.9367
FBgn00372	40539	CG9766	0	0	1	-0.0760154	6.18336	5.78112
FBgn00300	31851	Zpr1	0	0	1	-0.0760436	7.72822	7.22629
FBgn00372	40624	Vps37B	0	0	1	-0.0760544	23.1855	21.6816
FBgn00391	42909	CG17784	0	0	1	-0.0760637	54.6006	51.0615
FBgn02668	19835800	asRNA:CR4	0	0	1	-0.0761096	64.6805	60.4857
FBgn00380	41529	CG5641	0	0	1	-0.0761428	11.5912	10.8379
FBgn00411	43448	Slbp	0	0	1	-0.0761428	13.977	13.0686
FBgn02628	19835479	CR43199	0	0	1	-0.0761428	3.02733	2.82934
FBgn00400	3354977	MED21	0	0	1	-0.0761539	22.0842	20.65
FBgn02606	40835	Antp	0	0	1	-0.0761719	2.17401	2.03269
FBgn00421	3771984	CG18749	0	0	1	-0.0762883	29.925	27.9826
FBgn00337	36439	CG13326	0	0	1	-0.0763528	21.971	20.5434
FBgn00641	3772658	CG33722	0	0	1	-0.0763841	29.5711	27.6498
FBgn00403	53577	Jafrac2	0	0	1	-0.0768273	44.7752	41.8519
FBgn00372	40510	slif	0	0	1	-0.0768318	6.13693	5.73557

FBgn00341	36839	CG7848	0	0	1	-0.0768542	40.143	37.5223
FBgn00364	39599	goddard	0	0	1	-0.077026	123.911	115.807
FBgn00271	42018	NPF	0	0	1	-0.0770917	13.323	12.4463
FBgn00321	34302	CG4036	0	0	1	-0.0770917	9.07747	8.4806
FBgn00337	36354	Cpr49Ah	0	0	1	-0.0770917	0.2247	0.206723
FBgn00338	36504	CG13332	0	0	1	-0.0770917	0.207512	0.19091
FBgn00362	39353	CG7252	0	0	1	-0.0770917	0.642821	0.598634
FBgn00366	39816	Cpr72Ec	0	0	1	-0.0770917	1.71029	1.59619
FBgn00380	41512	GstD11	0	0	1	-0.0770917	1.98441	1.85173
FBgn00382	41761	CG14854	0	0	1	-0.0770917	1.09045	1.01424
FBgn00392	42942	Rpb10	0	0	1	-0.0770917	38.2426	35.7335
FBgn00407	50268	CG13038	0	0	1	-0.0770917	0.437039	0.402074
FBgn00409	50396	CG15036	0	0	1	-0.0770917	0.703964	0.647644
FBgn00470	26067038	CG33946	0	0	1	-0.0770917	3.94674	3.67814
FBgn00500	246447	CG30088	0	0	1	-0.0770917	2.4023	2.24168
FBgn00514	318737	Muc96D	0	0	1	-0.0770917	0.079561	0.073196
FBgn00517	33613	fred	0	0	1	-0.0770917	1.19419	1.11566
FBgn00528	37650	CG32833	0	0	1	-0.0770917	32.9647	30.8057
FBgn00531	326265	CG33160	0	0	1	-0.0770917	0.26964	0.248067
FBgn00829	5740639	snoRNA:M	0	0	1	-0.0770917	2.58666	2.37972
FBgn00829	5740781	snoRNA:Psi	0	0	1	-0.0770917	6.4882	6.04221
FBgn02612	3772145	CheA86a	0	0	1	-0.0770917	1.17825	1.09725
FBgn02626	12798031	CR43158	0	0	1	-0.0770917	0.451222	0.415123
FBgn02634	12797940	CR43461	0	0	1	-0.0770917	7.93567	7.40925
FBgn02634	12798455	scaRNA:Psi	0	0	1	-0.0770917	3.40081	3.15502
FBgn02648	14462345	CR44042	0	0	1	-0.0770917	1.22227	1.13908
FBgn02650	14462758	CR44199	0	0	1	-0.0770917	1.73155	1.6064
FBgn02650	19835135	CR44204	0	0	1	-0.0770917	0.590152	0.5475
FBgn02652	19835105	CR44268	0	0	1	-0.0770917	2.30591	2.13926
FBgn02669	19835154	CR45369	0	0	1	-0.0770917	0.686582	0.631653
FBgn02669	19835185	asRNA:CR4	0	0	1	-0.0770917	5.34951	4.99647
FBgn02670	19835494	CR45464	0	0	1	-0.0770917	1.9177	1.78866
FBgn02675	26067262	CR45935	0	0	1	-0.0770917	0.519749	0.478167
FBgn02679	26067529	CR46218	0	0	1	-0.0770917	0.169166	0.155632

FBgn00033	35223	RanGAP	0	0	1	-0.0771735	25.5135	23.8422
FBgn00358	38913	Atg18a	0	0	1	-0.0772716	19.0576	17.8079
FBgn02623	12798184	CG43050	0	0	1	-0.0772855	46.2201	43.1885
FBgn00511	42960	RabX4	0	0	1	-0.0773826	12.1556	11.356
FBgn00304	32214	CG15728	0	0	1	-0.077432	11.2978	10.5539
FBgn00289	45816	onecut	0	0	1	-0.0774768	13.5156	12.6278
FBgn00510	43057	CG31098	0	0	1	-0.0775562	29.0221	27.1131
FBgn00352	38197	metl	0	0	1	-0.0777622	12.042	11.2466
FBgn00317	33826	CG13999	0	0	1	-0.0777854	6.91826	6.45956
FBgn00004	47769	Dip-C	0	0	1	-0.0778018	21.7065	20.2752
FBgn00348	37689	CG13541	0	0	1	-0.0778103	18.205	17.0037
FBgn00278	34786	CAH1	0	0	1	-0.0779869	46.1597	43.1118
FBgn00398	43710	PNPase	0	0	1	-0.078018	6.9183	6.46064
FBgn00339	36671	CG10257	0	0	1	-0.0781529	3.41272	3.1848
FBgn00308	32797	Frq1	0	0	1	-0.0781933	10.3232	9.64009
FBgn00345	37307	CG16739	0	0	1	-0.0782159	109.106	101.886
FBgn00317	33855	CG9147	0	0	1	-0.0782335	17.5787	16.4138
FBgn00387	42343	CG6195	0	0	1	-0.0783148	13.1025	12.2326
FBgn00266	31793	IntS4	0	0	1	-0.0783274	3.50591	3.27287
FBgn00342	36995	CG14483	0	0	1	-0.0783694	39.8731	37.229
FBgn02643	32435	opm	0	0	1	-0.0783859	12.6245	11.7861
FBgn00406	50121	CG11666	0	0	1	-0.0783943	13.6802	12.7682
FBgn00241	44097	sns	0	0	1	-0.0784159	1.73991	1.62425
FBgn00371	40477	ND-B14.5A	0	0	1	-0.0784232	29.7875	27.8094
FBgn00319	34072	CG14537	0	0	1	-0.0784533	27.2237	25.4152
FBgn02618	10178948	CG42787	0	0	1	-0.0784611	37.8919	35.3716
FBgn00367	40012	CG5103	0	0	1	-0.0784632	38.7871	36.2144
FBgn00312	33272	CG15824	0	0	1	-0.0785186	12.4249	11.6003
FBgn02630	12798422	CG43318	0	0	1	-0.0785351	16.8279	15.7063
FBgn00863	47384	sra	0	0	1	-0.0785534	33.2694	31.0607
FBgn00339	36667	Cyp317a1	0	0	1	-0.0785691	20.8106	19.4289
FBgn00391	42857	CG18428	0	0	1	-0.078589	10.3627	9.66984
FBgn00335	36161	polyph	0	0	1	-0.0786079	6.38654	5.96048
FBgn00532	40800	dpr11	0	0	1	-0.0786079	4.26276	3.97908

FBgn02610	7354473	moi	0	0	1	-0.0786134	11.0348	10.3007
FBgn02661	59260	Tgs1	0	0	1	-0.0786134	11.0348	10.3007
FBgn00346	37484	CG4021	0	0	1	-0.0786288	35.3081	32.9611
FBgn00244	42199	Dlc90F	0	0	1	-0.0786978	122.472	114.331
FBgn00409	50403	CG12659	0	0	1	-0.078778	3.28962	3.06722
FBgn00394	43166	Sld5	0	0	1	-0.0788521	7.33835	6.84581
FBgn00143	33130	tilB	0	0	1	-0.0788677	10.3814	9.68809
FBgn00346	37524	GM130	0	0	1	-0.0788846	17.4749	16.3106
FBgn00382	41717	Kif19A	0	0	1	-0.078933	1.00531	0.937137
FBgn00298	31511	Prosbeta2F	0	0	1	-0.0790217	9.63032	8.98541
FBgn00355	38501	Teh4	0	0	1	-0.0791194	2.70738	2.52555
FBgn00351	38092	CG13898	0	0	1	-0.0791694	162.257	151.422
FBgn00322	34488	CG6724	0	0	1	-0.079298	7.39094	6.89486
FBgn00257	38203	CG13920	0	0	1	-0.079371	18.7242	17.4695
FBgn00003	31647	cm	0	0	1	-0.0793845	8.62098	8.04251
FBgn00367	39990	CG5535	0	0	1	-0.0794587	22.1508	20.6667
FBgn02626	43789	dati	0	0	1	-0.079462	4.79579	4.47425
FBgn00330	35485	d4	0	0	1	-0.0794914	40.7922	38.0596
FBgn00304	32250	CG2209	0	0	1	-0.0795488	29.8403	27.8369
FBgn02591	7354412	Ir94d	0	0	1	-0.0795942	17.9916	16.7839
FBgn00328	35295	CG10747	0	0	1	-0.0796004	23.2459	21.6858
FBgn00256	31170	Sik2	0	0	1	-0.0796748	2.96674	2.76713
FBgn00298	31578	ND-B16.6	0	0	1	-0.0797145	49.898	46.5473
FBgn00307	32652	CG4678	0	0	1	-0.0797461	4.86765	4.53952
FBgn02656	19835069	CR44455	0	0	1	-0.0797894	172.647	161.048
FBgn00235	31211	CG3078	0	0	1	-0.0798061	4.63676	4.32454
FBgn00303	32093	Cyp4g15	0	0	1	-0.0798528	5.51483	5.14305
FBgn00160	44660	xmas-1	0	0	1	-0.0798722	23.4094	21.8351
FBgn02666	19835778	asRNA:CR4	0	0	1	-0.079921	7.9878	7.44778
FBgn00297	31383	CG3568	0	0	1	-0.0800033	11.185	10.4305
FBgn00298	31537	CG5937	0	0	1	-0.0800755	2.40742	2.24493
FBgn00299	31675	CG11369	0	0	1	-0.0801088	36.2451	33.8025
FBgn00373	40637	CG11999	0	0	1	-0.080113	7.32076	6.82401
FBgn00116	39812	Pdh	0	0	1	-0.0801333	89.0399	83.0379

FBgn00154	34582	kek2	0	0	1	-0.0801829	2.33625	2.17831
FBgn00243	31449	FBgn00243	0	0	1	-0.0802314	1.15397	1.07495
FBgn02632	35677	Coop	0	0	1	-0.0802314	11.3365	10.5701
FBgn00330	35541	CG14589	0	0	1	-0.0802617	73.5834	68.6163
FBgn00366	39865	CG9692	0	0	1	-0.0803473	24.3333	22.6882
FBgn00022	48903	l(3)73Ah	0	0	1	-0.0804543	13.8043	12.8691
FBgn02676	26067058	pre-mod(m	0	0	1	-0.0804722	6.95609	6.48523
FBgn02676	26067059	pre-mod(m	0	0	1	-0.0804722	6.95609	6.48523
FBgn00267	31475	l(1)G0045	0	0	1	-0.0804983	1.58094	1.47287
FBgn00337	36385	CG17760	0	0	1	-0.0804983	0.941982	0.876143
FBgn00518	318996	CG31875	0	0	1	-0.0804983	4.06597	3.78879
FBgn00538	3772360	His2A:CG3	0	0	1	-0.0804983	2.93295	2.72795
FBgn00267	32295	Yippee	0	0	1	-0.0805976	26.5593	24.7595
FBgn02661	19835051	pre-mod(m	0	0	1	-0.0806021	6.6105	6.16248
FBgn00300	31751	CG2278	0	0	1	-0.080632	2.96586	2.76433
FBgn00368	40071	CG14075	0	0	1	-0.0806495	8.33372	7.76459
FBgn00367	39948	QIL1	0	0	1	-0.0806693	58.8974	54.9048
FBgn00321	34349	CG13137	0	0	1	-0.0807029	2.98285	2.77842
FBgn00353	38290	CG13807	0	0	1	-0.0808148	8.43816	7.86076
FBgn00393	43098	Lgr3	0	0	1	-0.0808148	0.88833	0.826989
FBgn00311	33108	CG1486	0	0	1	-0.0808485	11.1271	10.3715
FBgn02633	37203	hppy	0	0	1	-0.0809103	13.2896	12.387
FBgn00839	4379844	CG34113	0	0	1	-0.0809193	2.62036	2.44211
FBgn02661	19835363	CR44851	0	0	1	-0.0809337	4.78246	4.45372
FBgn00339	36673	ckn	0	0	1	-0.0810088	7.47349	6.96513
FBgn00510	326112	PH4alphaS	0	0	1	-0.0810345	3.71189	3.45771
FBgn02834	26067075	CG46276	0	0	1	-0.0810606	6.92623	6.45395
FBgn00515	318794	CG31548	0	0	1	-0.0811369	18.2262	16.983
FBgn00295	31148	CG14806	0	0	1	-0.0811442	19.4291	18.1043
FBgn02628	43923	axo	0	0	1	-0.0811511	5.02326	4.68118
FBgn00035	39836	st	0	0	1	-0.0813411	9.89946	9.22326
FBgn00327	35213	CG17544	0	0	1	-0.0813997	23.012	21.4416
FBgn00854	41873	CG34404	0	0	1	-0.0814389	7.88184	7.34317
FBgn00153	39133	Ubc4	0	0	1	-0.0814792	48.8771	45.5398

FBgn00403	30976	CG13375	0	0	1	-0.0814969	4.18575	3.8994
FBgn00376	41057	CG9837	0	0	1	-0.0815973	9.69336	9.0299
FBgn00540	3885602	CG34033	0	0	1	-0.0816111	56.8905	52.9976
FBgn02651	37657	CG44252	0	0	1	-0.0816528	16.714	15.5704
FBgn00382	41780	BigH1	0	0	1	-0.0817584	14.2838	13.3039
FBgn00038	35147	tup	0	0	1	-0.0818452	2.86121	2.66428
FBgn00340	3772305	CG10731	0	0	1	-0.0819905	24.9807	23.2644
FBgn00002	43644	Pka-C2	0	0	1	-0.0820224	41.5141	38.6641
FBgn00421	59143	CG18747	0	0	1	-0.0820224	7.9391	7.39219
FBgn00001	42936	ash2	0	0	1	-0.0821238	13.387	12.4664
FBgn00321	34324	CG4709	0	0	1	-0.0822534	6.16853	5.74258
FBgn00378	41298	CG14692	0	0	1	-0.0822534	0.894711	0.832824
FBgn00514	318744	CG31454	0	0	1	-0.0822534	2.22645	2.07148
FBgn02658	19835026	CR44670	0	0	1	-0.0822534	2.3518	2.18183
FBgn00386	42201	CG18600	0	0	1	-0.0823772	14.7686	13.7498
FBgn00406	50139	CG12848	0	0	1	-0.0824055	17.7427	16.5143
FBgn00317	33868	CG13991	0	0	1	-0.0824529	14.9777	13.9456
FBgn00270	35137	CG17324	0	0	1	-0.0824849	3.31031	3.08027
FBgn00504	3772676	ste24c	0	0	1	-0.0825371	33.8774	31.5412
FBgn00357	38812	eco	0	0	1	-0.0825744	11.0267	10.2656
FBgn00852	5740634	CG34181	0	0	1	-0.0826635	15.8445	14.747
FBgn02615	19835852	CR42657	0	0	1	-0.0826715	55.7384	51.8882
FBgn02656	36776	Ric	0	0	1	-0.0826824	36.9902	34.4358
FBgn00504	3771732	CG30461	0	0	1	-0.0826857	35.8978	33.4187
FBgn00306	32441	CG5599	0	0	1	-0.0826925	11.0068	10.2453
FBgn00534	2768883	Sdic2	0	0	1	-0.082781	8.90215	8.28584
FBgn00235	31189	CG3630	0	0	1	-0.0828633	16.7031	15.5467
FBgn00373	40671	CG14671	0	0	1	-0.082894	7.7959	7.25247
FBgn02653	19835835	asRNA:CR4	0	0	1	-0.082894	7.33175	6.82067
FBgn00306	32452	CG9101	0	0	1	-0.0829499	10.6948	9.95166
FBgn00296	31282	CG3592	0	0	1	-0.0830165	1.98618	1.84468
FBgn00402	53501	Ugt86Dj	0	0	1	-0.0830165	5.84306	5.43661
FBgn00539	3772203	His2B:CG33	0	0	1	-0.0830165	2.80403	2.60426
FBgn02675	26067220	asRNA:CR4	0	0	1	-0.0830165	17.2571	16.0586

FBgn00298	31542	CG4660	0	0	1	-0.083197	3.20594	2.98098
FBgn02661	19835678	pre-mod(m	0	0	1	-0.0832507	7.65894	7.12664
FBgn02661	19835907	pre-mod(m	0	0	1	-0.0832507	7.65894	7.12664
FBgn02661	19835348	pre-mod(m	0	0	1	-0.0832507	7.65894	7.12664
FBgn02661	19836032	pre-mod(m	0	0	1	-0.0832507	7.65894	7.12664
FBgn02661	19834930	pre-mod(m	0	0	1	-0.0832507	7.65894	7.12664
FBgn00311	33048	RhoGAP19I	0	0	1	-0.0832679	5.90546	5.49531
FBgn00866	38752	vvl	0	0	1	-0.0833956	19.6576	18.2912
FBgn00377	41190	Rpt3R	0	0	1	-0.0834287	27.2895	25.3907
FBgn00326	35065	CG7094	0	0	1	-0.0834393	51.005	47.4576
FBgn00699	3355167	CG41106	0	0	1	-0.083652	23.1867	21.5684
FBgn00314	33482	CG18558	0	0	1	-0.0836643	2.51532	2.33828
FBgn00342	36968	veil	0	0	1	-0.0836936	37.4951	34.8814
FBgn02598	33176	CG42399	0	0	1	-0.0837161	3.99933	3.72001
FBgn02654	31746	Traf6	0	0	1	-0.0837161	5.70494	5.3062
FBgn00866	3772266	snoRNA:Psi	0	0	1	-0.083849	62.2245	57.8597
FBgn00002	31358	brn	0	0	1	-0.0840444	2.47383	2.29859
FBgn00030	40605	opa	0	0	1	-0.0840444	0.236531	0.218851
FBgn00317	33874	AANATL2	0	0	1	-0.0840444	0.721125	0.667223
FBgn00371	40437	SLC22A	0	0	1	-0.0840444	9.34888	8.69383
FBgn00382	41716	CG14357	0	0	1	-0.0840444	0.72413	0.670003
FBgn00513	41288	MED7	0	0	1	-0.0840444	12.8077	11.9088
FBgn00522	40105	CG32206	0	0	1	-0.0840444	1.78571	1.66043
FBgn00633	3772690	snoRNA:U2	0	0	1	-0.0840444	8.08331	7.47911
FBgn02662	19835507	CR44921	0	0	1	-0.0840444	8.60284	7.99481
FBgn00398	43729	kek6	0	0	1	-0.0841085	4.11047	3.82249
FBgn02642	37863	CG43775	0	0	1	-0.0841094	18.1462	16.876
FBgn02642	14462630	CG43776	0	0	1	-0.0841094	18.1462	16.876
FBgn02642	14462631	CG43777	0	0	1	-0.0841094	18.1462	16.876
FBgn00350	37946	ND-19	0	0	1	-0.0841811	54.5818	50.7572
FBgn00309	32861	CG6873	0	0	1	-0.0841893	35.3716	32.8911
FBgn00311	33064	CG15450	0	0	1	-0.0841986	7.57683	7.04423
FBgn00373	40724	CG2023	0	0	1	-0.0842211	4.01122	3.72902
FBgn00313	33347	CG17660	0	0	1	-0.0842389	30.4256	28.2938

FBgn00376	41044	CG9801	0	0	1	-0.0843643	13.4055	12.4649
FBgn00386	42266	CG14291	0	0	1	-0.0845629	1.78438	1.65726
FBgn00362	39363	CG6931	0	0	1	-0.0845822	18.0807	16.8076
FBgn00372	40622	CG1116	0	0	1	-0.0845822	11.4401	10.6346
FBgn00376	41081	CG11983	0	0	1	-0.0845944	26.2268	24.3826
FBgn00361	39262	GlcAT-P	0	0	1	-0.0846864	13.179	12.2516
FBgn00352	38155	msd1	0	0	1	-0.0847049	4.95041	4.59589
FBgn00029	33271	ninaA	0	0	1	-0.0848273	17.8779	16.6155
FBgn00308	32733	CG12992	0	0	1	-0.0848436	47.7235	44.3615
FBgn00048	49505	fs(2)ltoPP4	0	0	1	-0.0849237	8.95292	8.3207
FBgn00256	31399	Torsin	0	0	1	-0.0849861	29.4553	27.3762
FBgn02653	19835805	CR44300	0	0	1	-0.0850845	15.991	14.8518
FBgn00387	42342	Nup58	0	0	1	-0.0851514	16.4395	15.2769
FBgn00307	32664	Sap30	0	0	1	-0.085165	9.35718	8.69471
FBgn00313	33321	CG5561	0	0	1	-0.0852663	36.6252	34.0333
FBgn00314	33421	CG3609	0	0	1	-0.085327	56.8363	52.8143
FBgn00297	31375	CG12693	0	0	1	-0.0853936	29.1098	27.0478
FBgn00400	53523	lectin-46Ca	0	0	1	-0.0854804	81.3563	75.5916
FBgn00374	40847	Tailor	0	0	1	-0.0854891	35.5669	33.0462
FBgn02639	31962	CG43740	0	0	1	-0.0855039	3.16859	2.94233
FBgn00501	246457	CG30100	0	0	1	-0.0856091	13.137	12.2011
FBgn02597	7354379	CG42372	0	0	1	-0.0856091	13.137	12.2011
FBgn00364	39624	CG5114	0	0	1	-0.085642	15.2751	14.1895
FBgn00330	35533	CG7856	0	0	1	-0.0856617	30.37	28.2142
FBgn00319	34051	CG13796	0	0	1	-0.0857048	7.59276	7.05271
FBgn00351	2768997	CG12038	0	0	1	-0.0857048	3.59041	3.33328
FBgn00387	42368	CG4733	0	0	1	-0.0857572	12.5103	11.6212
FBgn02609	8673955	CG42592	0	0	1	-0.085764	23.8752	22.175
FBgn02665	19835021	CR45102	0	0	1	-0.0858503	27.7093	25.7379
FBgn00278	42239	CstF64	0	0	1	-0.0861368	3.44217	3.19458
FBgn02669	19834961	CR45429	0	0	1	-0.0861368	4.12591	3.82772
FBgn00335	36101	CG12896	0	0	1	-0.0863355	8.95188	8.30896
FBgn00391	42830	RpS19b	0	0	1	-0.0864175	24.2577	22.52
FBgn00326	35062	CG15143	0	0	1	-0.0864764	12.0471	11.1853

FBgn00150	42043	AhcyL2	0	0	1	-0.08654	18.1046	16.8084
FBgn00337	36368	Dh44-R2	0	0	1	-0.0867036	11.808	10.9615
FBgn00390	42754	CG6763	0	0	1	-0.0867161	1.31004	1.21449
FBgn00528	3772186	CG33695	0	0	1	-0.0867161	2.93444	2.72236
FBgn02640	32425	Flo2	0	0	1	-0.0867269	8.88182	8.24501
FBgn00358	38915	CG7387	0	0	1	-0.086738	58.4344	54.2465
FBgn00540	3885643	CG34039	0	0	1	-0.0868727	17.6228	16.354
FBgn00854	37679	CG34371	0	0	1	-0.0869148	3.37444	3.13176
FBgn00324	34675	CG6153	0	0	1	-0.0869343	24.2503	22.5061
FBgn00341	36931	Spn53F	0	0	1	-0.0869343	10.3704	9.62359
FBgn00031	42757	pnt	0	0	1	-0.0869483	4.41706	4.09951
FBgn00295	38161	312	0	0	1	-0.0869877	6.58215	6.1075
FBgn00411	53433	Vhl	0	0	1	-0.0870557	11.9384	11.0782
FBgn02672	19836016	CR45681	0	0	1	-0.0870758	4.43427	4.11189
FBgn00501	37749	CG30183	0	0	1	-0.0872261	11.4516	10.6271
FBgn02642	246538	Sema2b	0	0	1	-0.0872751	3.34066	3.09956
FBgn00375	40885	CG17944	0	0	1	-0.0874025	73.5624	68.2572
FBgn00283	34191	CG17834	0	0	1	-0.0875216	9.32866	8.65445
FBgn00324	34679	CG17036	0	0	1	-0.0875334	7.35732	6.82461
FBgn00310	32925	CG8051	0	0	1	-0.0875359	15.3939	14.282
FBgn02591	31957	alpha-Man	0	0	1	-0.0876277	10.5614	9.79832
FBgn00397	326115	Atg16	0	0	1	-0.0876281	18.8126	17.4529
FBgn00033	34570	sala	0	0	1	-0.0877389	0.262172	0.241197
FBgn00036	31580	swa	0	0	1	-0.0877389	0.453817	0.419317
FBgn00323	34571	CG6488	0	0	1	-0.0877389	5.02475	4.65976
FBgn00345	37363	Cib2	0	0	1	-0.0877389	0.968973	0.89531
FBgn00357	38781	CG8629	0	0	1	-0.0877389	1.26394	1.16282
FBgn00384	42024	CG14905	0	0	1	-0.0877389	0.268015	0.246573
FBgn00394	43168	PIG-P	0	0	1	-0.0877389	9.25747	8.58418
FBgn00413	3772355	Cyp6t2Psi	0	0	1	-0.0877389	0.304105	0.279775
FBgn00532	2768983	CG33269	0	0	1	-0.0877389	0.568206	0.522747
FBgn00534	19834996	CR33487	0	0	1	-0.0877389	1.20571	1.10924
FBgn00857	5740527	CR40450	0	0	1	-0.0877389	0.262946	0.24191
FBgn02602	8674046	CG42498	0	0	1	-0.0877389	9.25747	8.58418

FBgn02621	43512	sro	0	0	1	-0.0877389	0.385533	0.354689
FBgn02630	13084068	CG43355	0	0	1	-0.0877389	0.257767	0.237144
FBgn02631	37191	5-HT1B	0	0	1	-0.0877389	1.40207	1.29988
FBgn00863	43582	Tpi	0	0	1	-0.0878368	52.5969	48.7901
FBgn00448	248102	Gos28	0	0	1	-0.0879031	18.1956	16.8748
FBgn00331	35621	Tsp42Ek	0	0	1	-0.0880628	6.84185	6.34308
FBgn00395	43324	unc80	0	0	1	-0.088345	6.44335	5.97483
FBgn00048	40180	Ac76E	0	0	1	-0.0884733	11.6349	10.7878
FBgn00535	2768716	mim	0	0	1	-0.0885352	8.51471	7.89456
FBgn00335	36174	CG7737	0	0	1	-0.088581	4.9608	4.59823
FBgn00000	44793	abo	0	0	1	-0.0885873	8.77287	8.13212
FBgn00305	32360	betaNACte	0	0	1	-0.0886135	2.79605	2.58921
FBgn00207	36643	Spred	0	0	1	-0.0886501	19.0182	17.6317
FBgn00394	43167	CG14543	0	0	1	-0.0886611	13.205	12.2375
FBgn02636	14462764	CR43639	0	0	1	-0.088714	13.2949	12.3201
FBgn00362	39382	CG5645	0	0	1	-0.088737	9.7551	9.04255
FBgn00518	318952	CG31805	0	0	1	-0.0887808	32.224	29.8718
FBgn02607	41447	CG12213	0	0	1	-0.0888288	15.5427	14.4073
FBgn00319	34097	CCDC53	0	0	1	-0.0888776	7.13207	6.60611
FBgn00363	39550	Nprl3	0	0	1	-0.0888942	6.62712	6.14182
FBgn00033	32039	sev	0	0	1	-0.0889818	6.31952	5.85732
FBgn00363	39514	JMJD7	0	0	1	-0.089005	9.60683	8.90154
FBgn02608	34197	Trs23	0	0	1	-0.089005	16.5386	15.3253
FBgn00360	39116	CG3306	0	0	1	-0.0890242	60.8438	56.3928
FBgn00343	37136	mRpS28	0	0	1	-0.0890643	14.5673	13.497
FBgn00297	31423	CG6903	0	0	1	-0.0892166	19.5596	18.1259
FBgn00397	43584	CG15529	0	0	1	-0.089227	3.8526	3.56799
FBgn02650	14462561	asRNA:CR4	0	0	1	-0.089227	17.9734	16.6543
FBgn02633	35314	CG31688	0	0	1	-0.089233	4.56829	4.23334
FBgn00337	36400	CG8768	0	0	1	-0.0892536	21.8776	20.2723
FBgn00344	37269	Or56a	0	0	1	-0.08937	1.27999	1.18338
FBgn00390	42766	CG17380	0	0	1	-0.08937	52.2024	48.3716
FBgn02609	8674090	CG42597	0	0	1	-0.089402	35.6632	33.0424
FBgn00257	33845	mtm	0	0	1	-0.0894401	9.86323	9.13805

FBgn00345	37382	CG3295	0	0	1	-0.0896288	30.5527	28.3056
FBgn00374	40755	Osi24	0	0	1	-0.0896447	1.05769	0.978628
FBgn00306	32495	CG8097	0	0	1	-0.0897411	19.6531	18.2056
FBgn00358	38956	CG13667	0	0	1	-0.08982	32.4581	30.067
FBgn00356	38666	CG10483	0	0	1	-0.0899741	8.54823	7.91659
FBgn00372	40538	CG1092	0	0	1	-0.0899741	12.8223	11.8749
FBgn00532	43414	CG33203	0	0	1	-0.0899942	9.14025	8.46533
FBgn00029	33583	odd	0	0	1	-0.0900307	4.96419	4.59662
FBgn00285	43930	prc	0	0	1	-0.0900307	0.205975	0.190156
FBgn00355	38582	CG13708	0	0	1	-0.0900307	0.52971	0.489847
FBgn00321	34323	CG13126	0	0	1	-0.0901184	6.2072	5.74735
FBgn00029	42297	nos	0	0	1	-0.0901967	2.77	2.56395
FBgn02609	36269	cuff	0	0	1	-0.0902328	4.12268	3.81542
FBgn00199	43709	Gcn2	0	0	1	-0.0902722	9.37861	8.68492
FBgn00377	41163	CG8312	0	0	1	-0.0902836	13.2111	12.2339
FBgn00383	41855	CG6276	0	0	1	-0.0903629	9.02251	8.35329
FBgn00314	33444	Arpc5	0	0	1	-0.0904045	24.3762	22.5695
FBgn00388	42519	CG3337	0	0	1	-0.0904739	10.4065	9.63488
FBgn02644	14462437	CG43845	0	0	1	-0.0905548	42.7585	39.5867
FBgn02624	12798436	CG43072	0	0	1	-0.0906128	28.8125	26.6679
FBgn00396	43500	Naa40	0	0	1	-0.0906807	13.5633	12.5526
FBgn00857	5740839	CR41501	0	0	1	-0.0908786	1.67354	1.54691
FBgn00256	33650	MFS18	0	0	1	-0.0909052	10.0622	9.3126
FBgn02674	26067130	asRNA:CR4	0	0	1	-0.0909378	11.3961	10.5443
FBgn00362	39327	Tim13	0	0	1	-0.0909821	54.1033	50.0725
FBgn00332	35785	coil	0	0	1	-0.0910734	21.8756	20.246
FBgn00357	38832	CG14835	0	0	1	-0.0911823	101.437	93.8763
FBgn00148	43447	Pglym78	0	0	1	-0.0914308	29.9851	27.7438
FBgn00319	34047	CG13793	0	0	1	-0.091434	6.00287	5.55296
FBgn00102	47895	Nmdmc	0	0	1	-0.0914429	16.1961	14.9847
FBgn00329	35382	Mpp6	0	0	1	-0.0914508	9.70627	8.979
FBgn00302	32050	CDK2AP1	0	0	1	-0.0915912	7.19843	6.65845
FBgn00303	32203	Cpr11B	0	0	1	-0.0915912	0.815841	0.750571
FBgn00337	36446	CG15870	0	0	1	-0.0915912	10.6291	9.82866

FBgn00384	42014	CG14903	0	0	1	-0.0915912	18.8103	17.3964
FBgn00852	5740493	CG34258	0	0	1	-0.0915912	21.1562	19.5692
FBgn00856	26067092	CR41320	0	0	1	-0.0915912	2.84211	2.62482
FBgn02624	12798338	CG43069	0	0	1	-0.0915912	38.3677	35.4914
FBgn02834	37044	PPO1	0	0	1	-0.0915912	0.880106	0.81282
FBgn00344	37264	Obp56a	0	0	1	-0.0917088	56.6807	52.4333
FBgn00136	19893541	mt:tRNA:G	0	0	1	-0.0918042	131.333	121.444
FBgn00352	38256	Mfap1	0	0	1	-0.0918042	5.07528	4.69314
FBgn00334	36050	mRpL42	0	0	1	-0.0918727	10.8788	10.0578
FBgn00371	40404	ORMDL	0	0	1	-0.0920295	18.4827	17.0908
FBgn00325	34940	CG13244	0	0	1	-0.0920499	65.0337	60.1478
FBgn00367	39953	CG6333	0	0	1	-0.0921986	14.0662	13.0077
FBgn00368	40072	CG11619	0	0	1	-0.0922229	7.14994	6.61115
FBgn00840	12798069	CR41443	0	0	1	-0.0922281	10.5793	9.78157
FBgn00366	39902	CG3764	0	0	1	-0.0922425	10.5431	9.75009
FBgn02592	40335	CG42337	0	0	1	-0.0922965	3.29981	3.05077
FBgn00149	40936	CG2846	0	0	1	-0.0923815	19.051	17.6144
FBgn00517	318914	mthl15	0	0	1	-0.0923815	6.50062	6.01018
FBgn00388	42433	TFAM	0	0	1	-0.0924125	14.2839	13.2059
FBgn00301	31859	SmydA-9	0	0	1	-0.092456	12.2877	11.361
FBgn00335	36108	CG11777	0	0	1	-0.0925037	25.6249	23.6895
FBgn00386	42244	CG7706	0	0	1	-0.0926567	4.9945	4.61629
FBgn00299	31683	Pdp	0	0	1	-0.0927223	12.6219	11.6677
FBgn00117	31960	Gip	0	0	1	-0.0927364	55.9482	51.7216
FBgn00314	33408	CG4270	0	0	1	-0.0927422	54.3163	50.2114
FBgn00326	35020	CG13283	0	0	1	-0.0928005	14.198	13.1241
FBgn00386	42264	CG14292	0	0	1	-0.092888	117.191	108.328
FBgn00271	33027	Inx7	0	0	1	-0.0928971	24.7775	22.9025
FBgn00327	35172	Ttc19	0	0	1	-0.0930205	27.459	25.3789
FBgn00321	34342	CG13133	0	0	1	-0.0930332	2.11725	1.95405
FBgn00310	33014	Rab35	0	0	1	-0.0930537	20.796	19.2211
FBgn00516	318880	CG31677	0	0	1	-0.0931787	10.375	9.58357
FBgn00399	43783	Syt7	0	0	1	-0.0932037	22.2184	20.5336
FBgn00336	36200	CG13220	0	0	1	-0.0932172	46.7192	43.174

FBgn00427	117364	Hex-t1	0	0	1	-0.0932172	12.6394	11.6791
FBgn00375	40944	PIG-H	0	0	1	-0.093263	11.979	11.0675
FBgn00304	32249	CG15719	0	0	1	-0.0932837	18.7238	17.2992
FBgn00519	319046	CG31957	0	0	1	-0.0933855	16.0556	14.833
FBgn00393	43085	CG5111	0	0	1	-0.0934182	29.873	27.6033
FBgn00347	37576	CG3927	0	0	1	-0.0935437	35.5522	32.847
FBgn00000	3771948	7SLRNA:CR	0	0	1	-0.0935798	18.3207	16.9161
FBgn00367	39925	CG13723	0	0	1	-0.0935798	17.6287	16.2823
FBgn00369	40198	Ir76b	0	0	1	-0.0935798	0.385533	0.354689
FBgn00515	19835899	CR31562	0	0	1	-0.0935798	1.53824	1.41828
FBgn02609	8673977	CG42586	0	0	1	-0.0935798	1.45157	1.33544
FBgn02670	19835057	CR45498	0	0	1	-0.0935798	1.41464	1.30147
FBgn00403	31219	CG2854	0	0	1	-0.0936351	15.198	14.0399
FBgn00174	38984	CG5989	0	0	1	-0.0936476	13.0072	12.0155
FBgn02618	3346235	scaf6	0	0	1	-0.0937055	11.4826	10.6079
FBgn00839	4379891	CG34106	0	0	1	-0.0938674	4.31105	3.98173
FBgn02656	35035	beat-IIIa	0	0	1	-0.0938674	4.31105	3.98173
FBgn00395	43369	UQCR-14L	0	0	1	-0.0941103	51.7987	47.8363
FBgn00852	5740389	CG34200	0	0	1	-0.0942299	86.1051	79.5124
FBgn02598	41842	CG42404	0	0	1	-0.0942522	2.22513	2.05437
FBgn00854	44128	lmgB	0	0	1	-0.0942806	11.9906	11.0727
FBgn02509	5740853	lmgA	0	0	1	-0.0942806	11.9906	11.0727
FBgn00364	39612	Tdrd3	0	0	1	-0.0943915	8.37142	7.72932
FBgn00160	35322	phr6-4	0	0	1	-0.0944979	3.4646	3.19753
FBgn00382	41714	CG12402	0	0	1	-0.0945666	5.63971	5.20639
FBgn00405	53426	ACXE	0	0	1	-0.0946253	1.9113	1.76369
FBgn00298	31540	Tsp5D	0	0	1	-0.0947937	2.69096	2.48261
FBgn00351	38063	CG1233	0	0	1	-0.0949637	14.5122	13.3953
FBgn00406	50122	CG15461	0	0	1	-0.0949818	35.5958	32.847
FBgn00242	37778	gbb	0	0	1	-0.0951564	7.27325	6.71087
FBgn00350	37972	CG3611	0	0	1	-0.0951564	6.19641	5.7173
FBgn00307	32662	mRpL22	0	0	1	-0.0951803	8.85924	8.173
FBgn00536	3771952	CG33665	0	0	1	-0.0951877	60.5954	55.921
FBgn00245	44437	Sec13	0	0	1	-0.0952566	15.9554	14.7233

FBgn00518	12798199	asRNA:CR3	0	0	1	-0.0953704	4.42086	4.0756
FBgn00316	33712	CG3756	0	0	1	-0.0954209	16.9299	15.6199
FBgn02674	26067120	asRNA:CR4	0	0	1	-0.0954333	9.15463	8.44153
FBgn00854	5740655	CG34431	0	0	1	-0.0954597	7.20508	6.64727
FBgn00298	31585	CG3918	0	0	1	-0.0954945	8.78184	8.10149
FBgn00313	33320	CG5556	0	0	1	-0.0955656	37.2378	34.3563
FBgn00260	31147	CG14818	0	0	1	-0.095583	52.3392	48.2874
FBgn00354	38404	CG12017	0	0	1	-0.0956118	1.01134	0.931797
FBgn00394	43238	CG14252	0	0	1	-0.0956118	11.4988	10.6069
FBgn00864	35195	DCTN6-p27	0	0	1	-0.0956118	17.2809	15.9397
FBgn00360	39166	CG6709	0	0	1	-0.0956449	42.2844	39.0113
FBgn00360	39167	CG14164	0	0	1	-0.0956449	42.2844	39.0113
FBgn02667	37237	EloC	0	0	1	-0.0956619	56.8887	52.4827
FBgn00408	50305	CG8012	0	0	1	-0.0956731	17.8407	16.4563
FBgn00462	43016	vig2	0	0	1	-0.0957093	37.7498	34.8266
FBgn00312	33283	Atg4a	0	0	1	-0.0957793	17.7422	16.3676
FBgn00297	31380	CG3556	0	0	1	-0.0958537	11.4179	10.5324
FBgn00141	34277	gcm	0	0	1	-0.0959283	18.9771	17.5042
FBgn00345	37306	CG8929	0	0	1	-0.0960363	14.7828	13.6345
FBgn02668	19836251	asRNA:CR4	0	0	1	-0.0962005	7.70876	7.09202
FBgn00137	36727	Cdk5	0	0	1	-0.0962422	11.979	11.0457
FBgn00503	246560	UQCR-11L	0	0	1	-0.0962504	36.2176	33.3943
FBgn00295	31172	CG14054	0	0	1	-0.0964683	12.9966	11.9806
FBgn00540	3885601	CG34054	0	0	1	-0.0965292	22.3473	20.5997
FBgn00310	32918	Hs3st-B	0	0	1	-0.0966445	0.729054	0.670727
FBgn00349	37818	CG3065	0	0	1	-0.0968121	10.8689	10.0183
FBgn00300	31843	fend	0	0	1	-0.0968621	1.88519	1.73722
FBgn00384	42063	kuk	0	0	1	-0.0969002	16.9605	15.6337
FBgn00376	41078	CG11980	0	0	1	-0.0969629	35.6904	32.897
FBgn02618	10178921	CR42785	0	0	1	-0.0969912	13.4707	12.4093
FBgn00334	36000	CG10459	0	0	1	-0.0970347	12.1346	11.1823
FBgn00056	31188	Cyp4d1	0	0	1	-0.0970905	2.75024	2.5334
FBgn02636	12798267	CR43634	0	0	1	-0.0970905	18.5377	17.0762
FBgn02604	4379885	CG14042	0	0	1	-0.0971096	13.9216	12.8306

FBgn02604	53471	SP555	0	0	1	-0.0971096	13.9216	12.8306
FBgn00313	33360	c-cup	0	0	1	-0.0971331	75.0967	69.213
FBgn00866	32245	fne	0	0	1	-0.0971549	7.24386	6.67622
FBgn00300	31748	CG15337	0	0	1	-0.0971958	10.6948	9.85454
FBgn02645	14462375	asRNA:CR4	0	0	1	-0.0973005	8.10201	7.46519
FBgn00350	37982	CG9083	0	0	1	-0.0973661	10.0247	9.23522
FBgn00358	38944	CG7182	0	0	1	-0.0974369	17.1913	15.8402
FBgn00364	39636	CG18649	0	0	1	-0.0974979	4.30806	3.9634
FBgn00531	40504	CG33169	0	0	1	-0.0974979	7.7753	7.15902
FBgn00310	33018	CG9578	0	0	1	-0.097532	13.7508	12.6674
FBgn00106	33226	lwr	0	0	1	-0.0975586	13.6199	12.5479
FBgn02614	30972	CG13377	0	0	1	-0.0975973	12.8725	11.8585
FBgn00532	2768984	CG33286	0	0	1	-0.0976008	21.2221	19.5531
FBgn00384	42057	CG3995	0	0	1	-0.0976886	9.08114	8.36386
FBgn00403	31044	mus81	0	0	1	-0.0976886	2.49033	2.29279
FBgn00330	35568	CG9410	0	0	1	-0.0977133	38.3318	35.3128
FBgn00311	33075	r-cup	0	0	1	-0.097761	18.2562	16.8178
FBgn00297	31388	CG11444	0	0	1	-0.0978502	31.8626	29.3505
FBgn00397	43558	Tace	0	0	1	-0.0979222	4.91502	4.52625
FBgn00340	36687	CG11808	0	0	1	-0.0980513	8.08856	7.446
FBgn00339	36624	CG10131	0	0	1	-0.0981095	3.15387	2.90154
FBgn00336	36237	Prip	0	0	1	-0.0981254	14.7587	13.5916
FBgn00348	37667	CG13538	0	0	1	-0.0982441	36.9161	33.9959
FBgn00524	318032	CG32448	0	0	1	-0.0982473	63.8043	58.7563
FBgn00376	41125	Task7	0	0	1	-0.098263	4.26679	3.92754
FBgn00341	36881	CG5522	0	0	1	-0.0982707	11.3132	10.4183
FBgn00137	19893532	mt:tRNA:T	0	0	1	-0.0984653	64.0394	58.916
FBgn00361	39316	CG14135	0	0	1	-0.0984653	7.97087	7.3366
FBgn00285	34920	CG18480	0	0	1	-0.0985052	11.1003	10.2207
FBgn02645	14462523	CG43935	0	0	1	-0.0986278	103.976	95.726
FBgn00104	41968	mtSSB	0	0	1	-0.0988132	29.886	27.5077
FBgn00369	40193	CG14184	0	0	1	-0.098826	30.5909	28.158
FBgn02610	40544	Syt14	0	0	1	-0.098826	2.99544	2.75674
FBgn02624	41182	FoxP	0	0	1	-0.0990263	4.97745	4.5809

FBgn00035	43572	Sry-delta	0	0	1	-0.0990342	4.74834	4.36846
FBgn00337	36374	CG13151	0	0	1	-0.0990342	3.84342	3.53593
FBgn00307	32570	CG12698	0	0	1	-0.0990435	19.5492	17.9929
FBgn00510	318563	CG31030	0	0	1	-0.0991362	20.285	18.6687
FBgn00316	33687	CG11927	0	0	1	-0.099142	14.7853	13.6066
FBgn00854	5740414	Snoo	0	0	1	-0.0991974	5.5395	5.09806
FBgn00314	33420	CG3597	0	0	1	-0.099228	23.9376	22.0285
FBgn00335	36111	CG17765	0	0	1	-0.0992358	50.2712	46.264
FBgn02619	43096	RASSF8	0	0	1	-0.0994595	14.2236	13.0878
FBgn00397	43603	CG18404	0	0	1	-0.0995973	43.9775	40.4591
FBgn00005	34595	esc	0	0	1	-0.0998117	2.72518	2.50501
FBgn00010	34166	fy	0	0	1	-0.0998117	2.48744	2.28627
FBgn00044	44879	rhi	0	0	1	-0.0998117	0.690737	0.633147
FBgn00288	34943	CG18063	0	0	1	-0.0998117	39.3367	36.1867
FBgn00300	31733	cyr	0	0	1	-0.0998117	0.298892	0.273712
FBgn00305	32366	CG13403	0	0	1	-0.0998117	0.301777	0.271968
FBgn00309	32893	CG14191	0	0	1	-0.0998117	0.247327	0.222896
FBgn00310	32950	CG14204	0	0	1	-0.0998117	0.231052	0.211246
FBgn00316	33657	CG15436	0	0	1	-0.0998117	7.8631	7.23143
FBgn00319	34079	CG7102	0	0	1	-0.0998117	0.380744	0.348669
FBgn00327	35180	CG17343	0	0	1	-0.0998117	5.40548	4.96662
FBgn00336	36245	CG13198	0	0	1	-0.0998117	0.768138	0.699953
FBgn00345	37389	mRpL54	0	0	1	-0.0998117	14.6372	13.4608
FBgn00353	38280	CG8960	0	0	1	-0.0998117	1.46772	1.34679
FBgn00380	41482	CG17404	0	0	1	-0.0998117	0.212961	0.191925
FBgn00391	42913	CG17781	0	0	1	-0.0998117	0.276958	0.252374
FBgn00500	246436	Obp50d	0	0	1	-0.0998117	1.46849	1.34478
FBgn00510	43708	CG31002	0	0	1	-0.0998117	0.117045	0.105483
FBgn00527	318175	CG32726	0	0	1	-0.0998117	1.88211	1.72355
FBgn00529	34208	CG32986	0	0	1	-0.0998117	16.5173	15.1921
FBgn00536	3885590	CG33632	0	0	1	-0.0998117	0.358464	0.323055
FBgn00537	3772600	CG33725	0	0	1	-0.0998117	0.28457	0.256461
FBgn00829	5740678	snoRNA:Psi	0	0	1	-0.0998117	1.2722	1.14653
FBgn00830	5740459	snoRNA:Psi	0	0	1	-0.0998117	1.41048	1.27115

FBgn00855	5740597	RYa	0	0	1	-0.0998117	0.463443	0.417664
FBgn02617	38254	Dbx	0	0	1	-0.0998117	0.078234	0.070506
FBgn02629	12797899	CR43300	0	0	1	-0.0998117	0.539186	0.485925
FBgn02638	14462798	CR43700	0	0	1	-0.0998117	0.273379	0.246375
FBgn02656	19836064	CR44444	0	0	1	-0.0998117	0.240601	0.216834
FBgn02659	19836091	CR44700	0	0	1	-0.0998117	0.431588	0.388956
FBgn02662	19836130	CR44905	0	0	1	-0.0998117	0.214368	0.193193
FBgn02663	19834819	asRNA:CR4	0	0	1	-0.0998117	3.71389	3.40425
FBgn02664	19835376	CR45082	0	0	1	-0.0998117	0.255441	0.230209
FBgn02668	19835788	CR45286	0	0	1	-0.0998117	1.31222	1.2045
FBgn02668	19835513	CR45325	0	0	1	-0.0998117	0.309946	0.27933
FBgn02669	19835382	CR45382	0	0	1	-0.0998117	0.868956	0.791822
FBgn00829	5740269	snoRNA:Psi	0	0	1	-0.0999558	305.872	281.345
FBgn02591	32561	mmd	0	0	1	-0.100015	7.2407	6.66001
FBgn00367	40001	mRpS26	0	0	1	-0.100413	11.5271	10.596
FBgn02610	12798040	snoRNA:83	0	0	1	-0.100458	63.1607	58.0554
FBgn00342	36975	APC10	0	0	1	-0.100475	9.94238	9.13852
FBgn00320	34154	CG13390	0	0	1	-0.100511	6.64645	6.10877
FBgn02626	12798034	CR43148	0	0	1	-0.100551	5.11259	4.69872
FBgn00003	43938	cl	0	0	1	-0.100557	75.1865	69.1305
FBgn00467	10178827	CR14033	0	0	1	-0.100646	8.89594	8.17712
FBgn00367	39923	CG7707	0	0	1	-0.100697	45.5217	41.8509
FBgn00539	37953	Mid1	0	0	1	-0.100891	3.83736	3.52727
FBgn00274	32042	CG2061	0	0	1	-0.100926	17.5827	16.162
FBgn00316	33744	ND-13A	0	0	1	-0.101123	64.2207	59.0252
FBgn00853	5740349	CG34357	0	0	1	-0.101142	2.2342	2.05308
FBgn00386	42308	CG5250	0	0	1	-0.101254	7.4763	6.86782
FBgn00313	33308	CG5001	0	0	1	-0.101332	21.5846	19.8351
FBgn00440	36246	Roc2	0	0	1	-0.101488	8.98762	8.25411
FBgn00289	36961	mthl3	0	0	1	-0.101545	7.91777	7.2741
FBgn00611	31426	CG15468	0	0	1	-0.101751	29.5445	27.1412
FBgn00517	318941	CG31787	0	0	1	-0.101806	62.3426	57.2715
FBgn00348	37704	yellow-d2	0	0	1	-0.101814	2.11504	1.94038
FBgn00369	40172	Prp3	0	0	1	-0.101814	13.3022	12.2193

FBgn00636	5740664	CG40228	0	0	1	-0.101838	21.8033	20.0286
FBgn00350	37989	Tina-1	0	0	1	-0.101966	36.7438	33.7514
FBgn00371	40476	CG14459	0	0	1	-0.101983	0.433613	0.39771
FBgn00522	38445	CG32262	0	0	1	-0.102046	51.2742	47.0955
FBgn00367	39991	CG7408	0	0	1	-0.102224	11.9873	11.0086
FBgn00391	42883	CG13609	0	0	1	-0.102297	3.02644	2.77708
FBgn00332	35805	CG12126	0	0	1	-0.102423	79.8348	73.3087
FBgn00327	35237	CG10188	0	0	1	-0.102464	5.29699	4.86356
FBgn00249	32674	RSG7	0	0	1	-0.102477	3.91093	3.59073
FBgn00526	31970	CG32683	0	0	1	-0.102491	1.66114	1.52469
FBgn00352	38190	CG12105	0	0	1	-0.102612	1.19809	1.09938
FBgn00860	5740445	snoRNA:M	0	0	1	-0.102612	239.064	219.464
FBgn00331	35674	p47	0	0	1	-0.102668	36.4476	33.4627
FBgn00102	39861	Galphaf	0	0	1	-0.102682	9.84277	9.03528
FBgn00318	34001	CG4497	0	0	1	-0.102685	7.27374	6.67714
FBgn00360	39172	CG6685	0	0	1	-0.102717	7.70391	7.07089
FBgn00314	33471	CG2862	0	0	1	-0.102857	71.6931	65.8131
FBgn00317	33851	CG13995	0	0	1	-0.102891	2.19721	2.01601
FBgn00118	33435	oaf	0	0	1	-0.10291	11.4833	10.5407
FBgn00310	33006	CG17003	0	0	1	-0.102912	14.7284	13.5177
FBgn00377	41149	CG8199	0	0	1	-0.103065	19.1309	17.5586
FBgn00275	31533	CG4766	0	0	1	-0.103087	1.95572	1.79379
FBgn00304	32294	Tim9a	0	0	1	-0.103087	37.291	34.2226
FBgn00310	32934	Naa15-16	0	0	1	-0.103396	11.1628	10.2433
FBgn00103	32987	AP-1-2beta	0	0	1	-0.103414	17.2628	15.841
FBgn00103	40665	Nmdar1	0	0	1	-0.103432	3.03405	2.78343
FBgn02607	8674113	CG42571	0	0	1	-0.103432	6.17018	5.65868
FBgn00532	2768968	CG33288	0	0	1	-0.103525	5.85521	5.37191
FBgn00402	34873	DCTN5-p25	0	0	1	-0.103564	14.627	13.4168
FBgn02663	19834947	CR45004	0	0	1	-0.103564	0.813888	0.745829
FBgn00853	5740212	CG34274	0	0	1	-0.103629	30.4248	27.9123
FBgn00523	317976	Naa30B	0	0	1	-0.103652	23.4209	21.4868
FBgn02632	2769008	Dscam4	0	0	1	-0.10383	3.96735	3.63932
FBgn00864	31858	su(r)	0	0	1	-0.103859	7.50181	6.8812

FBgn00382	41760	Pde6	0	0	1	-0.103927	8.10582	7.43551
FBgn02669	19834929	CG45428	0	0	1	-0.10394	21.5016	19.7176
FBgn00299	31674	CG9657	0	0	1	-0.104204	1.52246	1.39494
FBgn00344	37194	CG15116	0	0	1	-0.104226	66.892	61.3465
FBgn00377	41242	TAF1B	0	0	1	-0.104273	4.03132	3.69628
FBgn00512	318636	CG31229	0	0	1	-0.104273	18.1799	16.6689
FBgn00339	36566	CG8323	0	0	1	-0.10428	17.5791	16.1201
FBgn00516	35243	CG31697	0	0	1	-0.10455	51.5924	47.3035
FBgn00399	43805	Gat	0	0	1	-0.104683	10.5751	9.69501
FBgn00105	33262	dock	0	0	1	-0.104715	15.3513	14.0742
FBgn00327	35183	CG10700	0	0	1	-0.104767	1.96692	1.80122
FBgn02628	12797919	CG43206	0	0	1	-0.104825	29.0939	26.6648
FBgn00839	4379866	CG34130	0	0	1	-0.104965	34.2872	31.4277
FBgn00383	41847	Zip88E	0	0	1	-0.104973	5.76368	5.28119
FBgn00307	32672	CG4829	0	0	1	-0.105043	5.38918	4.939
FBgn02624	12797978	CG43075	0	0	1	-0.105049	27.476	25.1812
FBgn00349	37866	Naa35	0	0	1	-0.105071	13.3174	12.2059
FBgn00271	31645	Inx6	0	0	1	-0.105106	0.563547	0.514563
FBgn00379	41416	CG12594	0	0	1	-0.105106	2.49289	2.28397
FBgn00389	42612	CG5388	0	0	1	-0.105106	22.2374	20.3807
FBgn00512	318623	GluRIIE	0	0	1	-0.105106	3.14076	2.87781
FBgn02669	19835350	CR45383	0	0	1	-0.105106	1.57474	1.43786
FBgn00677	2768673	att-ORFB	0	0	1	-0.105175	25.795	23.6404
FBgn00854	5740446	Rgk3	0	0	1	-0.105177	7.11428	6.52001
FBgn00349	37862	CG3257	0	0	1	-0.105182	10.6412	9.7522
FBgn02617	32636	SNRPG	0	0	1	-0.105333	21.4738	19.6726
FBgn00333	35875	CG8272	0	0	1	-0.105347	12.1976	11.1774
FBgn00200	42939	Ppox	0	0	1	-0.105495	29.2851	26.834
FBgn00403	40034	GNBP1	0	0	1	-0.105566	10.0478	9.205
FBgn00373	40651	CG12147	0	0	1	-0.105588	16.8253	15.4153
FBgn00538	3772575	His2B:CG33	0	0	1	-0.105712	3.22463	2.94822
FBgn00310	33001	THADA	0	0	1	-0.10581	1.24484	1.13979
FBgn00039	31271	w	0	0	1	-0.105947	5.95855	5.45698
FBgn00338	36494	cbc	0	0	1	-0.105996	5.5983	5.12611

FBgn00406	50169	CG18675	0	0	1	-0.10609	33.5477	30.7274
FBgn00298	31610	CG14440	0	0	1	-0.106126	4.70304	4.30649
FBgn02607	8674073	CG42554	0	0	1	-0.106189	20.223	18.5193
FBgn00349	37776	eIF6	0	0	1	-0.106227	16.9315	15.5042
FBgn00393	43090	CG5071	0	0	1	-0.106234	14.3539	13.1458
FBgn00367	39954	Oatp74D	0	0	1	-0.106246	6.23737	5.71191
FBgn00514	318747	CG31460	0	0	1	-0.106267	9.88937	9.05231
FBgn00504	246650	CG30493	0	0	1	-0.106412	14.8819	13.6264
FBgn00374	40860	MAGE	0	0	1	-0.106475	6.36927	5.8287
FBgn02666	19835923	asRNA:CR4	0	0	1	-0.106475	23.2396	21.274
FBgn00339	36568	CG18324	0	0	1	-0.106515	26.8936	24.6246
FBgn02434	35077	rdo	0	0	1	-0.106611	2.84714	2.60606
FBgn00038	42564	tsl	0	0	1	-0.106632	18.3937	16.8405
FBgn00278	34481	Nup107	0	0	1	-0.106685	5.22334	4.78122
FBgn00275	34486	CG6495	0	0	1	-0.106776	3.82462	3.50023
FBgn02653	19835072	CG44303	0	0	1	-0.106776	12.3662	11.3126
FBgn00528	318245	CG32847	0	0	1	-0.106815	53.8991	49.3416
FBgn00510	43244	CG31075	0	0	1	-0.106882	19.4973	17.8477
FBgn00340	36742	CG8249	0	0	1	-0.106919	6.82201	6.24428
FBgn00382	2768670	dpr9	0	0	1	-0.107104	5.38155	4.92526
FBgn00392	42950	CG5805	0	0	1	-0.107104	14.5136	13.2835
FBgn00392	42991	beta4GalT7	0	0	1	-0.107104	10.7279	9.81644
FBgn02677	26067372	asRNA:CR4	0	0	1	-0.107122	49.2351	45.0609
FBgn00343	37122	CG5189	0	0	1	-0.10726	8.21134	7.514
FBgn00501	246467	CG30120	0	0	1	-0.10726	8.21134	7.514
FBgn00381	41708	CG9922	0	0	1	-0.107312	44.1423	40.3964
FBgn00503	246551	CG30343	0	0	1	-0.107329	25.3524	23.1998
FBgn00373	40743	CG15580	0	0	1	-0.107416	21.9779	20.1117
FBgn00515	318776	CG31516	0	0	1	-0.107465	4.4844	4.10152
FBgn00538	3771957	His2B:CG33	0	0	1	-0.107465	2.47689	2.2603
FBgn02658	19836187	CR44592	0	0	1	-0.107465	3.88929	3.55424
FBgn00289	49803	Spn55B	0	0	1	-0.107495	22.4682	20.558
FBgn00033	40833	Scr	0	0	1	-0.107864	1.86511	1.70552
FBgn00284	42178	CG7985	0	0	1	-0.107986	1.79332	1.63913

FBgn00377	41199	topi	0	0	1	-0.108041	8.94382	8.18005
FBgn02646	38337	Fife	0	0	1	-0.108059	4.74838	4.34319
FBgn00303	32095	Spase25	0	0	1	-0.108225	29.3046	26.8001
FBgn00270	35759	CSN4	0	0	1	-0.108255	21.5693	19.7256
FBgn00511	41927	CG31183	0	0	1	-0.10829	3.73506	3.41538
FBgn00380	41525	Scgbeta	0	0	1	-0.108307	3.37685	3.08526
FBgn02604	319016	CG31904	0	0	1	-0.108374	1.30781	1.195
FBgn02675	26067205	CR45877	0	0	1	-0.108374	4.50483	4.11623
FBgn00334	35989	CG1827	0	0	1	-0.108465	13.3538	12.2091
FBgn00386	42245	CG7708	0	0	1	-0.108547	6.64711	6.0776
FBgn00316	33671	CG3251	0	0	1	-0.108801	1.88128	1.71775
FBgn00396	43495	dmrt99B	0	0	1	-0.108801	0.260317	0.23638
FBgn00514	326138	CG31431	0	0	1	-0.108801	9.177	8.38847
FBgn00830	5740838	snoRNA:Psi	0	0	1	-0.108801	4.33862	3.93967
FBgn02619	33770	mid	0	0	1	-0.108801	0.647551	0.590738
FBgn02644	14462831	CR43879	0	0	1	-0.108801	3.97237	3.62385
FBgn02668	19835981	CR45295	0	0	1	-0.108801	1.57666	1.43168
FBgn02668	19834796	CR45344	0	0	1	-0.108801	1.13919	1.03444
FBgn00409	50416	CG12643	0	0	1	-0.108969	11.5434	10.549
FBgn00331	35697	CG1358	0	0	1	-0.109021	11.224	10.2594
FBgn02620	10178956	CR42839	0	0	1	-0.10903	2.88003	2.63148
FBgn00284	37126	CG30116	0	0	1	-0.109158	5.5373	5.06093
FBgn02597	7354421	Nsun5	0	0	1	-0.109181	17.5972	16.082
FBgn00159	39440	caup	0	0	1	-0.10931	1.81641	1.65924
FBgn00138	38226	Dhc62B	0	0	1	-0.109314	3.55115	3.24528
FBgn02633	12798470	asRNA:CR4	0	0	1	-0.109319	8.25879	7.54652
FBgn02607	8674104	CG42568	0	0	1	-0.10937	33.4926	30.607
FBgn02607	37869	DnaJ-60	0	0	1	-0.10937	33.4926	30.607
FBgn00633	3355097	Gpb5	0	0	1	-0.109527	10.7955	9.86016
FBgn00299	31639	CG14431	0	0	1	-0.10958	2.823	2.5791
FBgn00048	41286	TkR86C	0	0	1	-0.10966	0.716086	0.653127
FBgn00350	37926	CG3511	0	0	1	-0.109701	6.06138	5.53661
FBgn00011	38004	gsb-n	0	0	1	-0.109984	2.26231	2.06498
FBgn00249	30979	CG3777	0	0	1	-0.109984	1.17257	1.07029

FBgn00421	59169	CG18808	0	0	1	-0.110014	18.2981	16.7127
FBgn02592	39696	comm3	0	0	1	-0.110042	4.92829	4.5005
FBgn00227	40145	Oat	0	0	1	-0.110154	5.90959	5.39541
FBgn00297	31473	RhoGAP5A	0	0	1	-0.110154	2.28725	2.08724
FBgn00308	32782	CG6867	0	0	1	-0.110165	7.81299	7.13532
FBgn00376	41111	CG16749	0	0	1	-0.110168	47.045	42.9673
FBgn02618	10178963	CG42764	0	0	1	-0.110259	19.4759	17.7846
FBgn00462	39381	CG11534	0	0	1	-0.110314	15.3726	14.0378
FBgn00853	5740840	Shawl	0	0	1	-0.110317	2.52064	2.30154
FBgn00345	37308	CG13870	0	0	1	-0.110373	20.9226	19.1064
FBgn00317	33856	CG9150	0	0	1	-0.110381	4.34678	3.96541
FBgn00116	43725	Med	0	0	1	-0.11045	5.67498	5.18148
FBgn00352	38187	CG12104	0	0	1	-0.11047	18.4085	16.8084
FBgn00308	32764	Ucp4A	0	0	1	-0.110549	11.566	10.56
FBgn00103	47251	Gtp-bp	0	0	1	-0.110619	21.991	20.0788
FBgn00338	36552	CG8067	0	0	1	-0.110631	13.1124	11.9703
FBgn00300	31799	CG12081	0	0	1	-0.1107	7.51797	6.86254
FBgn00308	32763	CG8142	0	0	1	-0.1107	3.43039	3.12907
FBgn00390	42767	CG4374	0	0	1	-0.1107	0.176112	0.160145
FBgn02662	31097	Ns3	0	0	1	-0.1107	5.32874	4.86379
FBgn00866	36295	jeb	0	0	1	-0.110913	4.3915	4.00882
FBgn00342	37000	CG10936	0	0	1	-0.111076	1.79965	1.64207
FBgn00318	33969	CG18304	0	0	1	-0.111133	8.03087	7.33004
FBgn00297	31480	Sirt4	0	0	1	-0.111135	8.899	8.11996
FBgn00302	31993	Rab9Db	0	0	1	-0.111181	2.87324	2.61819
FBgn00392	42965	CG10899	0	0	1	-0.111381	31.1823	28.4545
FBgn00869	40359	Rab26	0	0	1	-0.1114	3.18757	2.9082
FBgn00174	33201	U2af38	0	0	1	-0.111452	21.4892	19.6088
FBgn02619	40398	TfAP-2	0	0	1	-0.111525	0.56394	0.513121
FBgn02660	19835437	CR44814	0	0	1	-0.111525	4.02769	3.66474
FBgn00306	32444	Cyp4s3	0	0	1	-0.111564	9.83196	8.97029
FBgn02603	40970	mtg	0	0	1	-0.111597	5.07048	4.62526
FBgn02600	8674013	CG42493	0	0	1	-0.111606	18.145	16.5508
FBgn00397	43608	CG15535	0	0	1	-0.111619	11.1495	10.1692

FBgn00440	35639	Spn43Ad	0	0	1	-0.111784	2.33016	2.12332
FBgn00384	41960	CG5916	0	0	1	-0.111877	5.16441	4.71006
FBgn00249	43826	Actbeta	0	0	1	-0.112166	9.25624	8.44203
FBgn00043	45960	aly	0	0	1	-0.112281	4.05998	3.70131
FBgn00335	36159	ND-B14	0	0	1	-0.112347	55.4769	50.5906
FBgn00390	42697	CG17141	0	0	1	-0.112357	6.65435	6.06544
FBgn00853	5740866	CG34301	0	0	1	-0.112636	10.1444	9.23759
FBgn00394	43263	CG17189	0	0	1	-0.112751	10.7034	9.7553
FBgn00404	53579	Dlip3	0	0	1	-0.112751	2.4007	2.18628
FBgn02627	38966	CG43163	0	0	1	-0.11288	1.04667	0.953763
FBgn00235	31139	CG14814	0	0	1	-0.112937	3.79357	3.45738
FBgn02652	318176	CG32727	0	0	1	-0.112957	23.7869	21.6788
FBgn02591	7354426	CG42300	0	0	1	-0.112976	6.58779	6.00033
FBgn00355	38578	RhoGEF64C	0	0	1	-0.113003	4.12316	3.75824
FBgn00002	32947	car	0	0	1	-0.113027	4.88459	4.45161
FBgn00676	2768668	CG33331	0	0	1	-0.113027	4.04971	3.68872
FBgn00310	32993	CG12702	0	0	1	-0.113084	4.92565	4.48897
FBgn02668	19834817	asRNA:CR4	0	0	1	-0.113109	16.5244	15.0576
FBgn00355	38599	CHMP2B	0	0	1	-0.113179	24.6519	22.4659
FBgn02610	35003	LSm7	0	0	1	-0.113196	10.0211	9.12887
FBgn00305	32427	CG9030	0	0	1	-0.113251	30.9796	28.2321
FBgn00407	2768858	dpr1	0	0	1	-0.113328	2.95223	2.68963
FBgn00661	251900	GlcAT-I	0	0	1	-0.113409	9.48276	8.63976
FBgn00318	33920	CG9596	0	0	1	-0.113548	18.9531	17.2699
FBgn00137	19893528	mt:tRNA:M	0	0	1	-0.113618	5.64192	5.08461
FBgn00284	117464	He	0	0	1	-0.113618	1.1982	1.08605
FBgn00310	32937	CG12204	0	0	1	-0.113618	2.6053	2.37053
FBgn00327	35230	CG13083	0	0	1	-0.113618	0.339993	0.306409
FBgn00355	38550	CG15023	0	0	1	-0.113618	0.475326	0.428374
FBgn00373	40744	Or83c	0	0	1	-0.113618	0.32604	0.293834
FBgn00525	32922	CG32536	0	0	1	-0.113618	2.31983	2.10951
FBgn00582	3355149	CG40298	0	0	1	-0.113618	2.49086	2.2664
FBgn02507	5740577	5.8SrRNA:C	0	0	1	-0.113618	3.16498	2.85234
FBgn02646	14462350	asRNA:CR4	0	0	1	-0.113618	1.68387	1.53121

FBgn02655	19835104	CR44408	0	0	1	-0.113618	2.72071	2.47274
FBgn02678	26067441	CR46125	0	0	1	-0.113618	1.27447	1.15728
FBgn02834	26067581	CR46272	0	0	1	-0.113618	1.05499	0.950781
FBgn00515	40689	CG31549	0	0	1	-0.113815	13.8049	12.5743
FBgn00302	31986	CG15296	0	0	1	-0.11386	36.7934	33.5161
FBgn00256	31007	CG13369	0	0	1	-0.113962	7.59652	6.91723
FBgn02630	35387	CG43345	0	0	1	-0.113962	10.8112	9.84759
FBgn02630	13084069	CG43346	0	0	1	-0.113962	10.8112	9.84759
FBgn00367	40025	CG18233	0	0	1	-0.113982	32.8003	29.8787
FBgn02653	19835750	CG44296	0	0	1	-0.113998	59.3433	54.0519
FBgn00368	40047	HipHop	0	0	1	-0.114167	4.72453	4.30021
FBgn00155	37039	olf186-M	0	0	1	-0.114202	15.1137	13.7643
FBgn00344	37258	CG15125	0	0	1	-0.114211	17.4551	15.8958
FBgn00150	40457	Ddx1	0	0	1	-0.114254	11.7756	10.724
FBgn02660	19835676	asRNA:CR4	0	0	1	-0.114263	4.51132	4.10532
FBgn00363	39473	CG14117	0	0	1	-0.114325	8.2654	7.52431
FBgn00325	34757	CG7110	0	0	1	-0.11436	5.45891	4.97049
FBgn02612	32343	inaE	0	0	1	-0.114413	6.52643	5.94328
FBgn00390	42783	CG10184	0	0	1	-0.114443	16.8512	15.3437
FBgn00328	35241	CG10137	0	0	1	-0.114492	4.36874	3.97732
FBgn00334	36023	CG18446	0	0	1	-0.114492	1.65656	1.50675
FBgn00434	192508	CG5180	0	0	1	-0.114492	9.2933	8.46066
FBgn00511	43030	CG31103	0	0	1	-0.114509	12.7969	11.6513
FBgn00166	42133	Lgr1	0	0	1	-0.114778	9.07037	8.25736
FBgn00400	3354990	CG12061	0	0	1	-0.114808	14.0829	12.8195
FBgn00370	40315	Sems	0	0	1	-0.114824	43.4261	39.5339
FBgn00289	47757	betaggt-II	0	0	1	-0.114912	6.63632	6.03908
FBgn00375	40997	CG7352	0	0	1	-0.114912	12.0478	10.966
FBgn00527	318170	CG32720	0	0	1	-0.114937	24.5156	22.3161
FBgn00353	38350	spz5	0	0	1	-0.115108	2.06181	1.87489
FBgn00396	43443	CG14512	0	0	1	-0.115108	6.81353	6.19582
FBgn00344	37256	CG15124	0	0	1	-0.115179	57.7948	52.6024
FBgn00407	50188	CG15386	0	0	1	-0.115258	59.8787	54.4958
FBgn02597	7354476	CG42371	0	0	1	-0.115258	59.8787	54.4958

FBgn00304	32246	hec	0	0	1	-0.115275	0.701006	0.636547
FBgn02628	12798442	CG43192	0	0	1	-0.115275	3.22537	2.92879
FBgn00409	50397	CG11368	0	0	1	-0.115484	9.08913	8.26073
FBgn00377	41215	Teh1	0	0	1	-0.11561	2.72614	2.47985
FBgn00416	38528	Hexo1	0	0	1	-0.11561	16.8147	15.2992
FBgn00854	36592	Shroom	0	0	1	-0.115734	7.28428	6.62732
FBgn00396	43421	CG14518	0	0	1	-0.115753	2.26902	2.05825
FBgn02644	14462592	asRNA:CR4	0	0	1	-0.115753	1.11226	1.00895
FBgn02645	14462547	CR43904	0	0	1	-0.115753	1.50386	1.36416
FBgn00368	40032	MYPT-75D	0	0	1	-0.115872	8.68288	7.89903
FBgn00376	41134	CG16779	0	0	1	-0.115945	3.70355	3.36905
FBgn02647	32689	CG43996	0	0	1	-0.116032	5.96786	5.42533
FBgn00364	39604	CG13471	0	0	1	-0.116146	51.2431	46.6085
FBgn00368	40068	CG18223	0	0	1	-0.116152	13.4828	12.2605
FBgn00512	42068	CG31265	0	0	1	-0.116201	6.54632	5.95022
FBgn00317	33786	CG14013	0	0	1	-0.11622	36.0175	32.7571
FBgn02615	10178879	CR42653	0	0	1	-0.116262	15.0387	13.6758
FBgn00351	38074	CG13893	0	0	1	-0.116291	17.3317	15.7622
FBgn00230	40675	CRMP	0	0	1	-0.116335	12.51	11.3767
FBgn00537	3772611	CG33710	0	0	1	-0.116343	6.30023	5.72463
FBgn00313	33298	Tango14	0	0	1	-0.11643	5.15908	4.68887
FBgn00379	41383	CG14708	0	0	1	-0.116497	28.0751	25.5265
FBgn00516	33776	CG31648	0	0	1	-0.116513	13.0363	11.8509
FBgn00324	34677	PICK1	0	0	1	-0.116522	11.1202	10.111
FBgn00430	36460	Fsn	0	0	1	-0.116579	21.6517	19.6865
FBgn00341	36877	CG5348	0	0	1	-0.11662	8.69773	7.90733
FBgn02677	26067387	asRNA:CR4	0	0	1	-0.11662	1.36381	1.23478
FBgn00386	42220	CG7685	0	0	1	-0.116959	3.90475	3.5457
FBgn00057	49780	PpD6	0	0	1	-0.116979	13.1385	11.9414
FBgn00335	36136	mms4	0	0	1	-0.11709	2.32129	2.10667
FBgn00366	39880	CG13024	0	0	1	-0.11709	1.31228	1.19096
FBgn00385	42189	CG12320	0	0	1	-0.117175	6.7597	6.14212
FBgn00374	40748	Vha14-2	0	0	1	-0.117299	16.4982	14.9931
FBgn02626	19834780	CR43144	0	0	1	-0.117384	5.7177	5.18961

FBgn00311	33128	CG14621	0	0	1	-0.117572	17.0967	15.5349
FBgn00353	38301	CG8993	0	0	1	-0.11764	39.8591	36.2134
FBgn00289	34700	A16	0	0	1	-0.117708	16.0203	14.554
FBgn00358	38940	Cpr66Cb	0	0	1	-0.117734	2.2223	2.0153
FBgn02649	14462745	CR44143	0	0	1	-0.117734	2.7362	2.48133
FBgn00304	32288	CG15747	0	0	1	-0.117901	5.20976	4.73173
FBgn00390	42709	Gbp3	0	0	1	-0.117914	24.8861	22.6052
FBgn00342	37062	CG5757	0	0	1	-0.117983	9.11239	8.27448
FBgn00303	32122	FucT6	0	0	1	-0.118074	12.6448	11.4854
FBgn00160	40489	mael	0	0	1	-0.118491	10.8926	9.89042
FBgn00388	42526	CG5919	0	0	1	-0.118623	36.2143	32.8821
FBgn00270	38331	ProRS-m	0	0	1	-0.118671	4.41753	4.0087
FBgn00277	31096	CG14787	0	0	1	-0.118671	0.671193	0.604893
FBgn00343	37135	CG10927	0	0	1	-0.118671	3.64872	3.30979
FBgn00355	38602	CG10674	0	0	1	-0.118671	22.9782	20.857
FBgn00365	39741	CG17028	0	0	1	-0.118671	8.5615	7.77076
FBgn00440	31328	Ilp7	0	0	1	-0.118671	0.559328	0.504078
FBgn00528	318252	CG32857	0	0	1	-0.118671	12.6823	11.5124
FBgn00531	32438	CG33177	0	0	1	-0.118671	0.677423	0.610507
FBgn02613	44513	PPO3	0	0	1	-0.118671	0.262091	0.236202
FBgn02659	19836092	CR44694	0	0	1	-0.118671	1.52863	1.37764
FBgn00288	34958	CG17329	0	0	1	-0.118849	17.7293	16.0911
FBgn00852	5740490	CG34210	0	0	1	-0.118849	20.8672	18.939
FBgn02667	19836158	asRNA:CR4	0	0	1	-0.119142	5.19749	4.71336
FBgn00396	43504	CG1969	0	0	1	-0.119264	13.6366	12.375
FBgn00218	45021	Zfrp8	0	0	1	-0.119427	8.53786	7.74566
FBgn02604	8674101	CR42532	0	0	1	-0.11947	5.1352	4.65257
FBgn00301	31861	CG15368	0	0	1	-0.119519	13.1309	11.9112
FBgn02671	19835715	CR45552	0	0	1	-0.119896	2.39511	2.17022
FBgn00403	31045	CG3703	0	0	1	-0.120042	6.16067	5.58727
FBgn02615	32941	CoRest	0	0	1	-0.12009	6.73615	6.11003
FBgn00312	33232	CG11835	0	0	1	-0.120092	4.10429	3.72199
FBgn00297	31490	CG4096	0	0	1	-0.12016	1.05877	0.959414
FBgn00539	3885608	CR33987	0	0	1	-0.120271	31.4982	28.5663

FBgn02656	19835325	CR44479	0	0	1	-0.120411	18.9987	17.2205
FBgn02647	14462847	CR43989	0	0	1	-0.120448	9.94968	9.01945
FBgn00306	32450	CG5662	0	0	1	-0.120711	7.63268	6.91733
FBgn00524	326219	Sk2	0	0	1	-0.120925	5.04892	4.57595
FBgn00263	33638	Traf4	0	0	1	-0.121291	2.49181	2.25733
FBgn00303	32164	CG1492	0	0	1	-0.121291	3.15846	2.86107
FBgn02618	31438	CG42749	0	0	1	-0.121291	0.429682	0.387239
FBgn02644	14462376	asRNA:CR4	0	0	1	-0.121291	1.92752	1.74467
FBgn02658	19835178	CR44590	0	0	1	-0.121291	2.51792	2.27907
FBgn02675	26067170	5.8SrRNA:C	0	0	1	-0.121291	6.32995	5.70468
FBgn00274	34385	Cdk5alpha	0	0	1	-0.121404	14.0123	12.6978
FBgn00856	5740542	CG41561	0	0	1	-0.121422	25.8009	23.381
FBgn00048	40345	Eip78C	0	0	1	-0.121431	1.94902	1.76573
FBgn02591	32233	Pde9	0	0	1	-0.121507	1.75816	1.59304
FBgn02591	7354434	CG42265	0	0	1	-0.12158	2.04485	1.85259
FBgn02651	14462461	asRNA:CR4	0	0	1	-0.121671	22.7145	20.5758
FBgn00310	32986	CG12531	0	0	1	-0.121697	5.26204	4.76757
FBgn00043	32473	shtd	0	0	1	-0.121761	4.21754	3.82091
FBgn00320	34186	mRpL51	0	0	1	-0.12179	20.4564	18.5289
FBgn00153	32641	CG15865	0	0	1	-0.121816	8.02815	7.27289
FBgn00322	34478	CG17118	0	0	1	-0.122126	27.4657	24.8764
FBgn02621	10178851	CG42857	0	0	1	-0.12218	8.68676	7.86231
FBgn00310	32973	Ssu72	0	0	1	-0.122226	7.05977	6.39298
FBgn00356	38695	CG13293	0	0	1	-0.122277	3.25825	2.95035
FBgn00862	35380	del	0	0	1	-0.122325	8.95352	8.10842
FBgn00035	41988	ss	0	0	1	-0.122435	0.535669	0.484365
FBgn00344	37227	CG11257	0	0	1	-0.122626	5.58398	5.05427
FBgn02645	14462513	asRNA:CR4	0	0	1	-0.12269	18.4427	16.6943
FBgn00503	246572	CG30369	0	0	1	-0.122895	46.0843	41.7162
FBgn00350	37900	CG3483	0	0	1	-0.122971	25.6692	23.2365
FBgn00405	50001	CG15864	0	0	1	-0.123025	25.8049	23.3589
FBgn00300	31846	Bap111	0	0	1	-0.123082	10.4118	9.42406
FBgn00333	35937	Rad51D	0	0	1	-0.1233	3.31997	3.00292
FBgn00108	46158	l(3)04053	0	0	1	-0.123327	6.05911	5.48259

FBgn00373	40632	Tim17a2	0	0	1	-0.123358	28.1994	25.5193
FBgn02663	19835288	CR45013	0	0	1	-0.123375	46.138	41.7521
FBgn00383	41917	Arpc3A	0	0	1	-0.123453	16.5156	14.9437
FBgn00309	32875	CG7101	0	0	1	-0.123485	1.49169	1.34721
FBgn00348	37742	St1	0	0	1	-0.123485	3.61993	3.27274
FBgn02679	26067564	CR46254	0	0	1	-0.123616	9.41506	8.51579
FBgn00340	36799	CG15706	0	0	1	-0.123742	11.0957	10.0387
FBgn00158	38527	TfIIEbeta	0	0	1	-0.123854	15.6273	14.1358
FBgn02618	3346227	dpr2	0	0	1	-0.123978	1.17119	1.05825
FBgn02653	8674007	Sfp33A4	0	0	1	-0.123978	4.78638	4.31358
FBgn00516	33455	CG31690	0	0	1	-0.124196	1.52388	1.37721
FBgn02604	8674075	CG42526	0	0	1	-0.124196	3.09735	2.79924
FBgn00314	3771966	CG9960	0	0	1	-0.124226	6.97943	6.31004
FBgn00314	3772677	Snapin	0	0	1	-0.124226	6.97943	6.31004
FBgn00380	2768665	CG17207	0	0	1	-0.124265	8.55426	7.73453
FBgn00332	35762	Nup44A	0	0	1	-0.12444	8.48918	7.67485
FBgn00105	47905	l(2)03659	0	0	1	-0.124584	1.18668	1.07224
FBgn00318	33962	Nlg2	0	0	1	-0.124613	4.53673	4.10192
FBgn00290	44129	hbs	0	0	1	-0.124758	1.01013	0.91264
FBgn00353	38345	mRpS35	0	0	1	-0.124758	13.3442	12.0626
FBgn02677	26067369	asRNA:CR4	0	0	1	-0.124859	45.0752	40.7453
FBgn00394	43184	CG6154	0	0	1	-0.125167	2.33567	2.11032
FBgn00396	43438	Atg14	0	0	1	-0.125224	10.7143	9.68283
FBgn00538	3772336	His2B:CG33	0	0	1	-0.125347	2.61709	2.35858
FBgn02677	26067383	asRNA:CR4	0	0	1	-0.125347	10.1304	9.15203
FBgn00372	40565	CG9804	0	0	1	-0.125431	8.73348	7.88964
FBgn00374	40873	CG10050	0	0	1	-0.125665	2.70138	2.43895
FBgn00525	318097	Muc14A	0	0	1	-0.125697	0.815374	0.736717
FBgn00348	37676	CG9899	0	0	1	-0.125766	5.88145	5.31306
FBgn00853	5740644	CG34288	0	0	1	-0.125807	12.1813	10.9972
FBgn02630	47216	Klp54D	0	0	1	-0.125807	0.655619	0.590858
FBgn02662	19835731	CR44920	0	0	1	-0.125807	2.78951	2.51397
FBgn00839	4379815	sphinx	0	0	1	-0.125939	4.45806	4.02446
FBgn00536	3771864	CG33669	0	0	1	-0.126104	46.0443	41.5886

FBgn00355	38600	Prpk	0	0	1	-0.126176	10.577	9.54902
FBgn00033	36411	sca	0	0	1	-0.126335	1.08413	0.978145
FBgn00522	317956	CG32284	0	0	1	-0.126335	9.0052	8.12481
FBgn02649	14462430	asRNA:CR4	0	0	1	-0.126335	9.43835	8.52035
FBgn00349	37772	GlyT	0	0	1	-0.126365	1.63928	1.47998
FBgn00857	5740300	CR40743	0	0	1	-0.12648	4.03982	3.64077
FBgn02643	14462780	CR43803	0	0	1	-0.126569	24.4834	22.1057
FBgn00839	4379889	CG34134	0	0	1	-0.126612	9.28797	8.37912
FBgn00323	34605	CG16964	0	0	1	-0.126694	35.2404	31.8173
FBgn00321	34317	CG4592	0	0	1	-0.126771	25.9948	23.4686
FBgn02599	8674020	CG42471	0	0	1	-0.126779	36.3171	32.7803
FBgn00397	43613	CG15534	0	0	1	-0.126782	15.548	14.0373
FBgn00853	5740178	CG34286	0	0	1	-0.126908	18.3215	16.5361
FBgn00101	39717	comm	0	0	1	-0.127433	5.02636	4.53488
FBgn00112	39411	Obp69a	0	0	1	-0.127433	5.70391	5.14048
FBgn00273	31023	fz3	0	0	1	-0.127497	1.73092	1.56106
FBgn00341	36894	CG6435	0	0	1	-0.127688	22.4484	20.252
FBgn00326	35072	CG5674	0	0	1	-0.127896	9.52732	8.59489
FBgn02674	26067043	CG45765	0	0	1	-0.127935	30.4124	27.434
FBgn00300	31743	CG10959	0	0	1	-0.128009	2.33236	2.10197
FBgn00372	40511	CG11131	0	0	1	-0.128009	3.1053	2.79856
FBgn02653	19836052	asRNA:CR4	0	0	1	-0.128137	5.08325	4.58113
FBgn00006	39203	E(z)	0	0	1	-0.128204	9.24452	8.33762
FBgn00355	38603	CG4603	0	0	1	-0.128229	19.8122	17.8689
FBgn00317	33833	Ucp4B	0	0	1	-0.128246	8.697	7.8415
FBgn02634	12798571	asRNA:CR4	0	0	1	-0.128246	8.697	7.8415
FBgn00530	318838	CG33061	0	0	1	-0.128317	16.6883	15.0495
FBgn00316	33682	Fnta	0	0	1	-0.128435	21.9656	19.8082
FBgn02638	35522	BubR1	0	0	1	-0.128457	3.92514	3.53922
FBgn00323	34548	Csl4	0	0	1	-0.128724	8.48988	7.65126
FBgn00314	33438	Cyp309a1	0	0	1	-0.128786	17.2938	15.5918
FBgn00318	33902	CG9531	0	0	1	-0.128838	13.5275	12.1943
FBgn00534	2768865	dpr7	0	0	1	-0.129093	18.9048	17.0402
FBgn00322	34409	gny	0	0	1	-0.129136	12.3428	11.1252

FBgn00403	31236	AANATL7	0	0	1	-0.129206	15.5781	14.0393
FBgn00331	35628	Tsp42Eq	0	0	1	-0.129301	24.0371	21.6627
FBgn00010	45307	fz	0	0	1	-0.129559	2.44045	2.19829
FBgn00031	36741	Poxn	0	0	1	-0.129559	0.147065	0.130839
FBgn00120	3772062	tRNA:Tyr-G	0	0	1	-0.129559	10.2846	9.2115
FBgn00144	31785	Cp7Fb	0	0	1	-0.129559	0.358709	0.32128
FBgn00304	32307	CG15754	0	0	1	-0.129559	0.166673	0.146037
FBgn00305	32422	CG12398	0	0	1	-0.129559	0.084305	0.073867
FBgn00308	32685	CG13000	0	0	1	-0.129559	0.328424	0.287761
FBgn00309	32853	Ing3	0	0	1	-0.129559	1.25844	1.13231
FBgn00312	33250	CG13947	0	0	1	-0.129559	5.58435	5.02408
FBgn00320	34229	Rcd-1r	0	0	1	-0.129559	3.42885	3.08662
FBgn00337	36323	CG13171	0	0	1	-0.129559	6.98767	6.28661
FBgn00340	36723	CG8192	0	0	1	-0.129559	2.20234	1.98242
FBgn00346	37509	CG13500	0	0	1	-0.129559	0.137316	0.120315
FBgn00388	42523	ETHR	0	0	1	-0.129559	0.640932	0.576695
FBgn00406	50147	CG9445	0	0	1	-0.129559	8.09846	7.29424
FBgn00510	43640	PH4alphaP	0	0	1	-0.129559	0.485082	0.435022
FBgn00525	32767	CG32554	0	0	1	-0.129559	2.8249	2.54075
FBgn00533	2768910	CG33310	0	0	1	-0.129559	4.64852	4.18775
FBgn00538	3771818	His1:CG338	0	0	1	-0.129559	0.163088	0.142896
FBgn00538	3772502	His2B:CG33	0	0	1	-0.129559	2.89749	2.60426
FBgn00699	3354890	CG40498	0	0	1	-0.129559	10.1344	9.13213
FBgn00829	5740360	snoRNA:Me	0	0	1	-0.129559	4.25277	3.78355
FBgn00830	5740842	snoRNA:Psi	0	0	1	-0.129559	1.04931	0.919387
FBgn00854	33534	CG34393	0	0	1	-0.129559	1.10033	0.990237
FBgn02614	12798055	scaRNA:Me	0	0	1	-0.129559	1.36754	1.19822
FBgn02616	26067095	CR42715	0	0	1	-0.129559	1.07266	0.954307
FBgn02621	10178817	CG42869	0	0	1	-0.129559	12.9699	11.6739
FBgn02647	14462880	CR43987	0	0	1	-0.129559	0.277603	0.243232
FBgn02656	19834741	CR44453	0	0	1	-0.129559	0.650154	0.57842
FBgn02659	19834751	CR44719	0	0	1	-0.129559	0.523008	0.458252
FBgn02660	19835594	CG44815	0	0	1	-0.129559	0.419195	0.367293
FBgn02663	19834860	CR44980	0	0	1	-0.129559	1.19881	1.076

FBgn02667	19834905	CR45221	0	0	1	-0.129559	0.728557	0.638352
FBgn02674	26067108	CR45762	0	0	1	-0.129559	1.49937	1.34717
FBgn02674	26067140	CR45810	0	0	1	-0.129559	2.18249	1.95477
FBgn02676	26067269	CR45942	0	0	1	-0.129559	1.90226	1.70595
FBgn02678	26067443	CR46127	0	0	1	-0.129559	2.04187	1.8346
FBgn02679	26067553	CR46242	0	0	1	-0.129559	0.454604	0.398318
FBgn02679	26067558	CR46248	0	0	1	-0.129559	0.295815	0.259189
FBgn00310	32962	Naa20A	0	0	1	-0.129884	16.3829	14.7579
FBgn02599	8674059	Sfp24C1	0	0	1	-0.130065	72.6955	65.4801
FBgn00218	44086	DCTN2-p5C	0	0	1	-0.130138	16.9952	15.3072
FBgn00331	35586	CG9436	0	0	1	-0.130292	13.978	12.5876
FBgn00528	318224	CG32815	0	0	1	-0.130343	4.8151	4.33592
FBgn00867	40668	Pcmt	0	0	1	-0.130473	29.3112	26.3949
FBgn00309	32806	CG15059	0	0	1	-0.130479	16.0565	14.4565
FBgn00330	35531	CG14591	0	0	1	-0.130486	19.0372	17.1434
FBgn00527	31368	Muc4B	0	0	1	-0.130673	3.00876	2.70736
FBgn00852	5740861	CG34234	0	0	1	-0.13071	9.59166	8.63035
FBgn00371	40424	Syn1	0	0	1	-0.13075	4.49692	4.04825
FBgn00377	41147	RnpS1	0	0	1	-0.13129	5.62221	5.0577
FBgn00512	318657	CG31279	0	0	1	-0.13129	4.86879	4.37993
FBgn02648	12798430	iab-8	0	0	1	-0.131335	1.3829	1.24399
FBgn00115	45432	can	0	0	1	-0.131363	6.27131	5.64335
FBgn00048	34521	piwi	0	0	1	-0.131382	3.57423	3.21573
FBgn02665	7354475	CG42259	0	0	1	-0.131727	12.9842	11.6782
FBgn00526	326227	CG32650	0	0	1	-0.131798	5.09907	4.58465
FBgn00235	31141	Pex5	0	0	1	-0.13181	15.9857	14.3823
FBgn00314	33452	CG9879	0	0	1	-0.131873	17.6246	15.8545
FBgn00339	36574	VGAT	0	0	1	-0.13199	7.12672	6.41038
FBgn00344	37218	EndoB	0	0	1	-0.132058	11.0037	9.89784
FBgn00839	4379886	CG34125	0	0	1	-0.132276	18.399	16.544
FBgn00153	33111	dod	0	0	1	-0.132342	4.68436	4.20937
FBgn00382	41803	CG14860	0	0	1	-0.13238	4.42338	3.97602
FBgn00001	39745	Arl1	0	0	1	-0.132419	16.2393	14.6013
FBgn00044	39856	Su(P)	0	0	1	-0.132432	14.8289	13.3345

FBgn00262	38891	bip1	0	0	1	-0.132543	7.09862	6.38197
FBgn00137	31101	pck	0	0	1	-0.132565	18.0611	16.2403
FBgn00309	32896	tgy	0	0	1	-0.132587	2.76317	2.48235
FBgn00379	41480	CG4860	0	0	1	-0.132632	4.67103	4.19763
FBgn00048	31357	Xpac	0	0	1	-0.132726	7.15229	6.42806
FBgn00245	42663	Dph5	0	0	1	-0.132776	11.0438	9.92693
FBgn02661	38007	lov	0	0	1	-0.132795	4.95959	4.45889
FBgn00137	36606	phyl	0	0	1	-0.132801	4.47567	4.02221
FBgn00328	35353	twit	0	0	1	-0.132827	10.6632	9.58449
FBgn00527	31322	DIP-alpha	0	0	1	-0.132827	0.681003	0.611874
FBgn00331	35659	CG11113	0	0	1	-0.132848	22.4049	20.1364
FBgn00381	41657	CG14372	0	0	1	-0.132962	6.13883	5.51858
FBgn00381	41628	TBC1D5	0	0	1	-0.132975	16.0506	14.4291
FBgn00340	36757	CG8314	0	0	1	-0.132979	15.2719	13.7275
FBgn00305	32403	CG5347	0	0	1	-0.133013	15.9945	14.3766
FBgn00305	32423	Eo	0	0	1	-0.133048	0.92462	0.829202
FBgn00349	37872	mRpS17	0	0	1	-0.133048	21.4887	19.3133
FBgn00855	5740851	CG41284	0	0	1	-0.133048	1.84834	1.65759
FBgn00537	3772288	CG33774	0	0	1	-0.133235	35.1619	31.5943
FBgn02620	10178873	CG42824	0	0	1	-0.133235	7.79064	6.99408
FBgn00253	31129	Scgdelta	0	0	1	-0.133336	1.80867	1.62467
FBgn02637	14462735	asRNA:CR4	0	0	1	-0.133357	16.1928	14.551
FBgn02657	19834836	CR44566	0	0	1	-0.133443	1.9632	1.7596
FBgn02635	12798279	Acp98AB	0	0	1	-0.133555	76.4284	68.664
FBgn02645	14462712	CG43922	0	0	1	-0.133566	48.9396	43.9717
FBgn02643	14462784	asRNA:CR4	0	0	1	-0.133626	10.0773	9.05111
FBgn00299	31631	CG4558	0	0	1	-0.133703	6.8629	6.16524
FBgn00504	246616	CG30441	0	0	1	-0.133938	3.69841	3.31251
FBgn00515	10178807	asRNA:CR3	0	0	1	-0.134344	1.3137	1.17867
FBgn00261	36298	SkpB	0	0	1	-0.134353	39.7916	35.7372
FBgn00296	31312	CG14269	0	0	1	-0.134407	39.8936	35.8274
FBgn00287	59253	CG18508	0	0	1	-0.134517	39.6994	35.6499
FBgn00340	36714	CG12964	0	0	1	-0.134577	0.331535	0.296667
FBgn00289	34914	Semp1	0	0	1	-0.134639	20.0179	17.9717

FBgn00403	31237	CG13760	0	0	1	-0.134728	8.48429	7.61607
FBgn00289	34788	CG16865	0	0	1	-0.134739	11.6684	10.4753
FBgn00043	39332	Klp68D	0	0	1	-0.134767	8.57014	7.69433
FBgn00302	32055	Lint-1	0	0	1	-0.134883	13.2542	11.8993
FBgn02625	34502	SmydA-3	0	0	1	-0.134973	1.0124	0.907215
FBgn02662	19835244	CR44939	0	0	1	-0.134973	2.32824	2.08634
FBgn02834	35656	Glo1	0	0	1	-0.135001	25.6052	22.9831
FBgn00366	39886	CG13029	0	0	1	-0.135059	16.6434	14.9384
FBgn02655	19835460	asRNA:CR4	0	0	1	-0.135059	2.13897	1.91884
FBgn00320	34215	C1GalTA	0	0	1	-0.135091	11.1905	10.0447
FBgn00374	40798	CG15185	0	0	1	-0.135119	3.07374	2.7558
FBgn02616	34569	salm	0	0	1	-0.135174	2.14072	1.92107
FBgn00583	10178779	CR40354	0	0	1	-0.135258	9.2159	8.26976
FBgn00350	37959	CG3894	0	0	1	-0.135396	18.5918	16.6849
FBgn00540	3885627	Glyat	0	0	1	-0.135436	1.26971	1.13475
FBgn00343	37141	Atg7	0	0	1	-0.135495	7.99947	7.1779
FBgn00336	36303	CG8407	0	0	1	-0.135529	32.3256	29.0066
FBgn02634	12797889	CG43450	0	0	1	-0.135644	19.4943	17.4795
FBgn02643	14462715	CG43800	0	0	1	-0.135651	54.0108	48.4632
FBgn00318	33909	Phf5a	0	0	1	-0.135698	8.98101	8.05063
FBgn00347	37633	PIP5K59B	0	0	1	-0.135723	10.0795	9.04391
FBgn00375	40947	CG3223	0	0	1	-0.135729	13.1184	11.7693
FBgn00357	38764	CG10063	0	0	1	-0.135747	22.2251	19.9388
FBgn00321	34354	CG5734	0	0	1	-0.135876	12.9764	11.6416
FBgn00270	31904	LysRS	0	0	1	-0.135911	14.885	13.3538
FBgn00511	42601	SKIP	0	0	1	-0.135946	2.29924	2.06234
FBgn02623	12797937	CG43049	0	0	1	-0.136097	30.314	27.1903
FBgn00386	42208	WRNexo	0	0	1	-0.136192	2.00475	1.79557
FBgn00242	45041	Spn43Aa	0	0	1	-0.136301	3.05142	2.73386
FBgn00328	35258	CG10366	0	0	1	-0.136301	9.62847	8.63484
FBgn00409	50441	CG18666	0	0	1	-0.136301	7.68197	6.88252
FBgn00333	35888	CG8248	0	0	1	-0.136413	4.25611	3.81438
FBgn00199	43514	Drice	0	0	1	-0.136477	12.5541	11.2576
FBgn00530	326253	CG33098	0	0	1	-0.136529	9.25396	8.29621

FBgn00624	43459	Cisd2	0	0	1	-0.136558	45.3556	40.6712
FBgn00275	31489	CG3149	0	0	1	-0.136649	12.6231	11.3183
FBgn00538	3772496	His2B:CG33	0	0	1	-0.136649	3.13116	2.80081
FBgn00320	34230	CG9582	0	0	1	-0.13683	22.9205	20.5493
FBgn02628	12798381	CG43183	0	0	1	-0.136875	30.0933	26.9764
FBgn00377	41164	CG9427	0	0	1	-0.136925	10.3877	9.30944
FBgn00328	35310	CG10949	0	0	1	-0.136954	5.35059	4.79486
FBgn00005	39962	Eip74EF	0	0	1	-0.137264	2.88733	2.5878
FBgn00362	39389	Rh7	0	0	1	-0.137336	1.49632	1.34019
FBgn00010	32872	bnb	0	0	1	-0.137464	12.4344	11.1433
FBgn00403	31061	CG11384	0	0	1	-0.137464	0.772763	0.690626
FBgn00372	40569	Fip1	0	0	1	-0.137512	6.6124	5.92469
FBgn00302	31994	CG9806	0	0	1	-0.137567	5.16244	4.62527
FBgn02508	32261	CG42237	0	0	1	-0.137947	4.21145	3.77058
FBgn00031	48532	PpY-55A	0	0	1	-0.138193	19.8078	17.741
FBgn00371	40485	CG14452	0	0	1	-0.138492	1.49683	1.33168
FBgn00380	41540	trus	0	0	1	-0.138492	7.72405	6.91562
FBgn02661	19835018	CR44871	0	0	1	-0.138492	0.86068	0.765718
FBgn00854	33812	TrissinR	0	0	1	-0.138936	2.15602	1.92927
FBgn00321	34278	CG3841	0	0	1	-0.139004	16.4001	14.6816
FBgn00298	31516	CG15764	0	0	1	-0.139057	21.0685	18.859
FBgn00383	41892	CG5213	0	0	1	-0.139087	17.2461	15.436
FBgn00004	33253	Pkg21D	0	0	1	-0.139093	8.9782	8.03636
FBgn00112	40874	Obp84a	0	0	1	-0.139113	3.4035	3.04174
FBgn00304	32244	CG4645	0	0	1	-0.139395	13.6735	12.2365
FBgn00411	40336	park	0	0	1	-0.139458	12.8401	11.4901
FBgn00314	33476	G6P	0	0	1	-0.139827	14.206	12.7083
FBgn00000	33019	AnxB10	0	0	1	-0.140032	11.7961	10.5505
FBgn02636	12798360	CR43627	0	0	1	-0.140051	5.5787	4.98848
FBgn00501	246507	AIMP3	0	0	1	-0.14009	10.3099	9.21801
FBgn00308	32704	CG8918	0	0	1	-0.140106	13.255	11.856
FBgn02629	12798256	CG43273	0	0	1	-0.140226	8.08592	7.22647
FBgn00318	33948	CG11221	0	0	1	-0.140285	3.20767	2.8678
FBgn00538	3772271	His2B:CG33	0	0	1	-0.140366	3.08443	2.75167

FBgn00538	3772104	His2B:CG33	0	0	1	-0.140366	3.08443	2.75167
FBgn00303	32127	CG15221	0	0	1	-0.14071	4.09183	3.65749
FBgn00339	36626	CG10139	0	0	1	-0.14071	10.0246	8.9605
FBgn02616	10178891	B9d2	0	0	1	-0.140726	2.93805	2.62577
FBgn02616	33866	tctn	0	0	1	-0.140726	2.93805	2.62577
FBgn00300	31829	CG15365	0	0	1	-0.140964	1.0065	0.89868
FBgn00528	318220	CG32806	0	0	1	-0.141113	33.9704	30.3652
FBgn00375	40955	mAChR-B	0	0	1	-0.141356	1.76422	1.57609
FBgn00300	31805	Ppt1	0	0	1	-0.141471	11.1311	9.94575
FBgn00150	43663	Cyp4c3	0	0	1	-0.141632	0.860749	0.76696
FBgn00263	33336	Or22b	0	0	1	-0.141632	0.40703	0.360388
FBgn00317	33799	CG14007	0	0	1	-0.141632	0.994915	0.885142
FBgn00385	42102	CG14330	0	0	1	-0.141632	1.22261	1.08772
FBgn00398	43726	CG11539	0	0	1	-0.141632	10.0656	8.9904
FBgn00830	5740448	snoRNA:Psi	0	0	1	-0.141632	3.56976	3.1607
FBgn00866	3772238	snoRNA:Or	0	0	1	-0.141632	7.74612	6.89146
FBgn02633	12798546	CR43423	0	0	1	-0.141632	1.65049	1.47065
FBgn00349	37774	Snap29	0	0	1	-0.141824	20.3043	18.1401
FBgn02626	12798120	CG43137	0	0	1	-0.142187	7.79816	6.9585
FBgn00298	31523	CG12236	0	0	1	-0.142322	3.698	3.30217
FBgn00337	36378	Cyp301a1	0	0	1	-0.142322	3.51166	3.13464
FBgn00256	31175	Rtca	0	0	1	-0.142383	4.5404	4.05356
FBgn00510	10178917	CR31044	0	0	1	-0.142545	0.50102	0.446621
FBgn00340	36758	Pex11	0	0	1	-0.142574	18.3244	16.3614
FBgn00316	33755	Cyp4ac2	0	0	1	-0.142714	14.0253	12.5226
FBgn00853	5740757	CG34316	0	0	1	-0.142795	8.92141	7.96187
FBgn02667	36733	Cep89	0	0	1	-0.142795	4.08755	3.64717
FBgn00531	36507	CG33156	0	0	1	-0.142842	4.10028	3.66006
FBgn00296	31323	CG13021	0	0	1	-0.142912	8.71156	7.77173
FBgn02615	10178925	7SLRNA:CR	0	0	1	-0.142912	18.4137	16.4272
FBgn00329	35432	CG1421	0	0	1	-0.142938	12.0607	10.7631
FBgn02647	14462355	CR44024	0	0	1	-0.142999	7.14548	6.37827
FBgn00365	39713	CG7304	0	0	1	-0.143297	8.36498	7.46464
FBgn00403	31244	Tsp3A	0	0	1	-0.143325	5.41285	4.82939

FBgn00223	42273	dnk	0	0	1	-0.143342	5.92861	5.28902
FBgn00341	36815	CG15705	0	0	1	-0.143365	14.591	13.015
FBgn00376	41105	sage	0	0	1	-0.143465	8.10052	7.22723
FBgn00503	246548	CG30338	0	0	1	-0.143465	3.69327	3.29227
FBgn00031	34629	prd	0	0	1	-0.143566	9.95672	8.88486
FBgn00329	35429	CG11630	0	0	1	-0.143572	7.81888	6.97624
FBgn00376	41076	CG11977	0	0	1	-0.14358	24.0104	21.4242
FBgn02675	26067246	CR45918	0	0	1	-0.143675	5.55367	4.95483
FBgn00535	3346209	Ddr	0	0	1	-0.143703	1.11752	0.996437
FBgn00382	41802	CG7265	0	0	1	-0.144054	18.7096	16.69
FBgn00303	32145	CG11802	0	0	1	-0.144059	6.55267	5.84335
FBgn02637	3355066	CG17684	0	0	1	-0.144117	4.74627	4.23318
FBgn00359	38989	Cdc6	0	0	1	-0.144206	1.09748	0.977298
FBgn00383	41920	Pbp45	0	0	1	-0.144206	1.31929	1.17373
FBgn02649	14462537	CG44102	0	0	1	-0.144206	19.6194	17.4981
FBgn02661	19835888	CR44839	0	0	1	-0.144206	2.27573	2.01889
FBgn00303	32106	CG11695	0	0	1	-0.144417	3.75389	3.34596
FBgn02618	10178793	CG42789	0	0	1	-0.144417	56.0153	49.9558
FBgn00350	37932	CG3548	0	0	1	-0.144666	2.7957	2.4913
FBgn02591	2768892	CG42271	0	0	1	-0.144732	3.91191	3.4877
FBgn00319	34058	CG7191	0	0	1	-0.144778	4.55263	4.05717
FBgn00381	41639	PK2-R1	0	0	1	-0.144858	0.788123	0.701166
FBgn02675	26067219	asRNA:CR4	0	0	1	-0.144858	3.37837	3.00562
FBgn00371	40401	CG7166	0	0	1	-0.144928	7.43702	6.63009
FBgn02668	19835694	asRNA:CR4	0	0	1	-0.145055	4.27854	3.81346
FBgn00396	43492	CG7582	0	0	1	-0.145186	5.91341	5.26827
FBgn00003	33916	eya	0	0	1	-0.145326	1.72567	1.5371
FBgn00351	38078	MED30	0	0	1	-0.145326	10.4117	9.27722
FBgn00528	31152	CG32801	0	0	1	-0.145326	1.33543	1.18569
FBgn00829	5740127	snoRNA:Psi	0	0	1	-0.145326	8.62963	7.66198
FBgn00853	5740207	CG34323	0	0	1	-0.145326	1.62085	1.4391
FBgn02612	32056	rtv	0	0	1	-0.145326	0.982951	0.872732
FBgn02633	12798345	asRNA:CR4	0	0	1	-0.145326	5.69618	5.07488
FBgn00501	246496	CG30172	0	0	1	-0.145615	9.37921	8.35329

FBgn02625	12798588	CG43089	0	0	1	-0.145757	44.8479	39.9596
FBgn00388	42516	CG5862	0	0	1	-0.145839	12.8574	11.4532
FBgn00392	43028	CG13654	0	0	1	-0.145918	5.64615	5.02994
FBgn00032	44856	ru	0	0	1	-0.145954	0.896987	0.796768
FBgn00458	35135	ham	0	0	1	-0.146174	2.69611	2.40114
FBgn00535	3346239	CG33514	0	0	1	-0.146255	22.5236	20.0614
FBgn00305	32348	CG11095	0	0	1	-0.146354	1.76117	1.56484
FBgn00515	318783	CR31526	0	0	1	-0.146505	6.86365	6.10636
FBgn00013	3355181	kl-2	0	0	1	-0.146953	1.55797	1.38691
FBgn00398	43660	CG12071	0	0	1	-0.147059	4.93988	4.39655
FBgn00304	32260	Fer3HCH	0	0	1	-0.147218	25.3258	22.5405
FBgn00311	33134	CG14618	0	0	1	-0.147218	9.42207	8.38435
FBgn02677	26067361	CR46042	0	0	1	-0.147261	22.8525	20.3311
FBgn00366	39843	nxf2	0	0	1	-0.147337	2.97417	2.64602
FBgn02655	19834769	CR44398	0	0	1	-0.14737	5.4868	4.87869
FBgn02639	40390	COX8	0	0	1	-0.147546	22.5488	20.0609
FBgn00539	3885575	CG33977	0	0	1	-0.147645	32.3211	28.755
FBgn00371	40491	CG11367	0	0	1	-0.147706	8.65472	7.69982
FBgn00532	12798099	CR33218	0	0	1	-0.147795	47.0573	41.869
FBgn00196	43833	toy	0	0	1	-0.147799	7.42502	6.60636
FBgn02652	53444	SC35	0	0	1	-0.147883	12.5528	11.1678
FBgn00302	32074	CG11756	0	0	1	-0.147953	22.0291	19.5955
FBgn00019	49165	Cyp303a1	0	0	1	-0.148175	6.08612	5.413
FBgn00031	44848	plu	0	0	1	-0.148175	0.541687	0.474619
FBgn00112	34031	Obp28a	0	0	1	-0.148175	1.20898	1.06777
FBgn00160	35623	lbm	0	0	1	-0.148175	12.8143	11.3964
FBgn00312	33216	CG13692	0	0	1	-0.148175	2.13254	1.89048
FBgn00346	37441	CG17974	0	0	1	-0.148175	0.323019	0.283025
FBgn00356	38639	lin-28	0	0	1	-0.148175	0.917231	0.812125
FBgn00515	40749	CG31559	0	0	1	-0.148175	0.16659	0.145964
FBgn00538	3771783	His2A:CG33	0	0	1	-0.148175	2.87654	2.55004
FBgn00538	3771859	His-Psi:CR3	0	0	1	-0.148175	0.634371	0.555827
FBgn00633	3772210	snoRNA:sn	0	0	1	-0.148175	9.02811	7.97359
FBgn02635	31470	Vsx1	0	0	1	-0.148175	0.191347	0.168997

FBgn02659	19835141	CR44723	0	0	1	-0.148175	0.494339	0.433133
FBgn02669	19834962	CR45389	0	0	1	-0.148175	4.54587	4.03476
FBgn02672	19834845	CG45691	0	0	1	-0.148175	1.50144	1.32606
FBgn02834	40372	Alp1	0	0	1	-0.148175	0.184761	0.161885
FBgn00524	38358	CG32487	0	0	1	-0.148367	18.208	16.1925
FBgn00501	50149	CG30158	0	0	1	-0.148476	3.29999	2.93404
FBgn02592	3346206	CG42313	0	0	1	-0.148634	2.99165	2.65987
FBgn00311	33056	Cyp6v1	0	0	1	-0.148702	6.84597	6.08691
FBgn00517	34453	Trim9	0	0	1	-0.148721	3.4904	3.10293
FBgn00315	33576	Sr-CIV	0	0	1	-0.148788	4.26101	3.78602
FBgn00513	318698	CG31360	0	0	1	-0.148906	23.0079	20.452
FBgn02637	31353	CG43689	0	0	1	-0.148924	0.643312	0.571436
FBgn02639	14462565	asRNA:CR4	0	0	1	-0.148924	4.26662	3.78992
FBgn00382	41771	CG14853	0	0	1	-0.148959	8.16116	7.25518
FBgn00403	31245	Seipin	0	0	1	-0.14903	6.24118	5.54707
FBgn02651	14462573	asRNA:CR4	0	0	1	-0.149139	3.11785	2.76824
FBgn02674	26067149	CR45821	0	0	1	-0.149241	6.17644	5.48682
FBgn00364	39646	CG13458	0	0	1	-0.149368	5.57911	4.95738
FBgn02599	8674035	CG42489	0	0	1	-0.149443	8.70541	7.73123
FBgn00317	33843	CG9107	0	0	1	-0.149528	3.49848	3.10662
FBgn00528	318227	CG32819	0	0	1	-0.149685	8.96283	7.96372
FBgn00291	3354987	FBgn00291	0	0	1	-0.149707	3.58592	3.18603
FBgn02615	10178857	CG42692	0	0	1	-0.149737	38.7111	34.3959
FBgn02642	14462778	CG43760	0	0	1	-0.149772	38.8345	34.5005
FBgn00157	32398	NetA	0	0	1	-0.149809	4.66632	4.14541
FBgn00377	41231	Fancl	0	0	1	-0.149848	12.2099	10.8466
FBgn00307	32575	CG8958	0	0	1	-0.149879	13.8617	12.3155
FBgn00853	5740370	CG34307	0	0	1	-0.149917	8.71376	7.73668
FBgn00284	33276	CG4341	0	0	1	-0.149986	4.35146	3.8654
FBgn00380	41580	d-cup	0	0	1	-0.14999	18.3346	16.287
FBgn00369	40254	CG13248	0	0	1	-0.150023	6.2117	5.51767
FBgn00385	42136	TyrR	0	0	1	-0.150239	2.24843	1.99667
FBgn00346	37444	eEFSec	0	0	1	-0.150438	5.98195	5.31079
FBgn02668	19835547	asRNA:CR4	0	0	1	-0.150438	2.05574	1.82017

FBgn00258	36896	CG8910	0	0	1	-0.15049	4.62082	4.10307
FBgn00344	37299	Cpr56F	0	0	1	-0.150572	4.8148	4.27285
FBgn00331	35665	sPLA2	0	0	1	-0.150807	12.2423	10.8667
FBgn00359	39050	Dhpr	0	0	1	-0.150822	18.5671	16.4847
FBgn02638	33601	CG43707	0	0	1	-0.150947	3.23716	2.87395
FBgn00528	318228	CG32820	0	0	1	-0.151051	9.56966	8.49514
FBgn00340	36770	CG8401	0	0	1	-0.151092	1.16191	1.0273
FBgn02652	246426	CG30060	0	0	1	-0.151159	23.6979	21.0328
FBgn00056	43398	wdn	0	0	1	-0.151388	7.84244	6.9602
FBgn00337	36436	Drl-2	0	0	1	-0.151403	1.68595	1.49582
FBgn02634	12798085	CR43459	0	0	1	-0.151492	1.73517	1.53957
FBgn02676	26067060	pre-mod(m	0	0	1	-0.151555	7.7101	6.84165
FBgn02676	26067061	pre-mod(m	0	0	1	-0.151555	7.7101	6.84165
FBgn02676	26067062	pre-mod(m	0	0	1	-0.151555	7.7101	6.84165
FBgn02644	26067040	CG43844	0	0	1	-0.151585	10.1035	8.96032
FBgn00528	318251	CG32856	0	0	1	-0.151651	15.2039	13.4865
FBgn02508	40536	CG14644	0	0	1	-0.151651	17.2426	15.2991
FBgn00503	246562	CG30356	0	0	1	-0.151865	53.2873	47.2784
FBgn00048	33581	sob	0	0	1	-0.1519	1.49097	1.3213
FBgn00249	31254	CG2662	0	0	1	-0.152279	2.50496	2.21966
FBgn00539	3772099	His2B:CG33	0	0	1	-0.152279	2.94423	2.60426
FBgn00326	35101	Ntf-2r	0	0	1	-0.15238	19.1148	16.9503
FBgn00372	40535	TwdlG	0	0	1	-0.152643	3.7632	3.33553
FBgn00013	45318	kn	0	0	1	-0.152744	0.72192	0.639195
FBgn00019	49425	mRpL4	0	0	1	-0.152744	15.7717	13.9827
FBgn00526	31997	X11Lbeta	0	0	1	-0.153064	2.79216	2.47523
FBgn02670	19834896	asRNA:CR4	0	0	1	-0.153161	13.8006	12.2318
FBgn00377	41236	CG5361	0	0	1	-0.153327	6.6616	5.90239
FBgn00316	33694	CG15625	0	0	1	-0.153401	20.5705	18.2309
FBgn00272	31212	temp	0	0	1	-0.153505	7.27625	6.44744
FBgn02629	12798363	CG43293	0	0	1	-0.153549	35.9208	31.8309
FBgn02621	36794	calypso	0	0	1	-0.153578	6.91603	6.12782
FBgn00371	40393	CapaR	0	0	1	-0.15365	4.73336	4.19265
FBgn02629	12798367	CG43292	0	0	1	-0.153888	16.4086	14.5314

FBgn00316	33658	FIG4	0	0	1	-0.153913	6.98986	6.19227
FBgn00308	32787	Ada3	0	0	1	-0.154016	6.1095	5.41172
FBgn00318	33978	CG10399	0	0	1	-0.154081	6.0727	5.37683
FBgn02667	19835807	CR45253	0	0	1	-0.154081	8.68036	7.68296
FBgn00345	37312	CG13426	0	0	1	-0.15426	7.11795	6.29494
FBgn00335	36079	CG12913	0	0	1	-0.154477	3.20718	2.83906
FBgn00526	32029	Rab9Fb	0	0	1	-0.154604	5.79568	5.12804
FBgn00300	31815	CG12075	0	0	1	-0.15465	3.43836	3.04435
FBgn00046	42737	hh	0	0	1	-0.154688	2.59293	2.29451
FBgn00411	34902	nht	0	0	1	-0.15481	9.26886	8.20349
FBgn00297	31460	CG16756	0	0	1	-0.154826	53.7452	47.5865
FBgn00311	33077	CG1529	0	0	1	-0.154865	3.35803	2.97229
FBgn00340	36798	CG7798	0	0	1	-0.155094	0.969997	0.849898
FBgn00504	37705	CG30414	0	0	1	-0.155094	1.9063	1.68364
FBgn00504	246620	Tdc2	0	0	1	-0.155094	0.446741	0.393544
FBgn00525	32943	CG32532	0	0	1	-0.155094	0.219416	0.193289
FBgn00633	3772500	snoRNA:M	0	0	1	-0.155094	6.50024	5.69542
FBgn02631	12798502	CR43372	0	0	1	-0.155094	0.580612	0.511474
FBgn02661	19835046	CR44868	0	0	1	-0.155094	0.906736	0.79447
FBgn02670	19835066	CR45472	0	0	1	-0.155094	0.707947	0.620294
FBgn02630	12798510	CG43342	0	0	1	-0.155385	11.4869	10.1624
FBgn02625	12798406	CG43114	0	0	1	-0.155743	27.7066	24.504
FBgn00360	39177	CG14160	0	0	1	-0.155791	6.80682	6.02172
FBgn00249	43982	Oamb	0	0	1	-0.156101	2.24644	1.98679
FBgn02615	2768999	CG42676	0	0	1	-0.156106	6.85299	6.06184
FBgn02645	14462897	CG43931	0	0	1	-0.156123	25.7763	22.8014
FBgn00521	317864	CG32117	0	0	1	-0.156279	34.9437	30.9082
FBgn00406	50124	CG15458	0	0	1	-0.156338	8.23899	7.27905
FBgn00322	34451	CG18301	0	0	1	-0.156933	14.9073	13.1788
FBgn00204	33789	GluRIIB	0	0	1	-0.157145	0.405454	0.356905
FBgn00352	38222	CG13921	0	0	1	-0.157145	0.955459	0.843858
FBgn00368	40146	tey	0	0	1	-0.157145	2.13149	1.8832
FBgn00232	31329	Parg	0	0	1	-0.157533	7.51067	6.63699
FBgn00403	31062	CG11379	0	0	1	-0.157554	9.54285	8.43158

FBgn00223	41313	Sodh-2	0	0	1	-0.15802	8.26347	7.29827
FBgn02834	26067074	CG46275	0	0	1	-0.158283	8.26064	7.29576
FBgn00866	35555	jing	0	0	1	-0.158299	2.51757	2.22363
FBgn00853	5740436	CG34298	0	0	1	-0.158513	36.1283	31.9041
FBgn00532	2768998	CG33230	0	0	1	-0.158546	13.6655	12.068
FBgn00256	31173	CG4194	0	0	1	-0.158705	2.50944	2.21206
FBgn00408	50366	CG14634	0	0	1	-0.158705	1.29333	1.1332
FBgn02657	19834990	CR44535	0	0	1	-0.158705	0.328748	0.288044
FBgn00378	41344	CG4820	0	0	1	-0.159146	3.63102	3.20198
FBgn00387	42355	CG11453	0	0	1	-0.159171	6.71246	5.92395
FBgn00522	38392	CG32271	0	0	1	-0.159354	3.15642	2.78142
FBgn00249	31258	CG2681	0	0	1	-0.159493	4.23859	3.7394
FBgn00037	42945	tld	0	0	1	-0.159554	2.67387	2.35877
FBgn00308	32778	CG6847	0	0	1	-0.159673	2.35379	2.07634
FBgn00317	33854	Fbw5	0	0	1	-0.15974	9.68667	8.54704
FBgn00854	5740310	Nox	0	0	1	-0.159933	0.705087	0.621487
FBgn02652	12798257	CG13639	0	0	1	-0.159933	6.60927	5.82226
FBgn00322	34468	CG7299	0	0	1	-0.160147	4.01682	3.53931
FBgn00137	49847	Cyp6a22	0	0	1	-0.160286	12.2786	10.8303
FBgn00324	34702	CG5142	0	0	1	-0.160286	2.28529	2.01392
FBgn00270	41733	MetRS-m	0	0	1	-0.160353	1.87569	1.65362
FBgn00337	36359	CG13154	0	0	1	-0.160453	3.54398	3.12111
FBgn02632	12798198	CG43376	0	0	1	-0.160923	2.75313	2.41225
FBgn02636	14462655	CR43649	0	0	1	-0.160923	1.04931	0.919387
FBgn02643	14462629	CR43794	0	0	1	-0.160923	3.66505	3.22523
FBgn00000	43852	a	0	0	1	-0.161022	2.8916	2.54888
FBgn00324	34680	CG5776	0	0	1	-0.161305	2.37733	2.09448
FBgn02644	35284	CG43861	0	0	1	-0.161821	2.31034	2.0348
FBgn00235	31142	CG14803	0	0	1	-0.161908	3.65983	3.2238
FBgn00300	31749	CG10761	0	0	1	-0.162021	17.9311	15.7966
FBgn00853	5740590	CG34353	0	0	1	-0.162116	3.32644	2.93002
FBgn00337	36394	CG8646	0	0	1	-0.162424	2.90211	2.55384
FBgn02663	19835837	CR44978	0	0	1	-0.162424	1.03093	0.903291
FBgn00854	5740101	CG34459	0	0	1	-0.162653	11.9255	10.5004

FBgn00535	33007	Dop2R	0	0	1	-0.162694	1.46485	1.28945
FBgn00852	5740541	CG34180	0	0	1	-0.162868	46.369	40.8223
FBgn00305	32396	nmdyn-D6	0	0	1	-0.163006	2.5425	2.23334
FBgn00396	43473	CG2310	0	0	1	-0.163006	1.71753	1.50869
FBgn00522	317926	CG32225	0	0	1	-0.163006	8.58069	7.5522
FBgn00056	34982	dac	0	0	1	-0.163371	1.64093	1.44363
FBgn00535	2768875	CG33502	0	0	1	-0.16338	16.579	14.5907
FBgn00326	35067	CG6870	0	0	1	-0.163388	9.51352	8.37025
FBgn00325	34789	CG16888	0	0	1	-0.163506	19.2699	16.954
FBgn00344	37179	CG18190	0	0	1	-0.163506	11.0762	9.7455
FBgn00242	36862	gprs	0	0	1	-0.163564	2.73994	2.41109
FBgn02609	8674044	dpr21	0	0	1	-0.163672	13.5533	11.9243
FBgn00134	34947	beat-Ia	0	0	1	-0.163732	1.7149	1.50767
FBgn00503	10178922	CR30374	0	0	1	-0.163803	6.21014	5.45748
FBgn00234	33239	Pph13	0	0	1	-0.16386	3.34271	2.9392
FBgn00317	33780	CG14015	0	0	1	-0.164075	1.81235	1.59249
FBgn02598	2768836	Fs	0	0	1	-0.164105	6.26253	5.50904
FBgn00300	31759	CG2147	0	0	1	-0.164122	19.3826	17.0481
FBgn00383	41936	CG5478	0	0	1	-0.164264	15.6093	13.7284
FBgn00323	34536	CG14915	0	0	1	-0.164325	2.63778	2.31119
FBgn00853	2768895	CG34332	0	0	1	-0.164325	3.2396	2.8385
FBgn00412	34545	Gr32a	0	0	1	-0.164499	3.4437	3.02633
FBgn02627	12798372	CG43169	0	0	1	-0.164499	53.9421	47.439
FBgn00380	41541	CG5961	0	0	1	-0.16457	11.7365	10.3208
FBgn00314	33486	CG3104	0	0	1	-0.164627	4.60959	4.05279
FBgn00350	37938	Adck	0	0	1	-0.164716	8.6543	7.6093
FBgn02670	19835322	asRNA:CR4	0	0	1	-0.164741	4.69766	4.12972
FBgn00511	318597	CG31115	0	0	1	-0.164755	25.4539	22.3819
FBgn00408	50301	CG13306	0	0	1	-0.164767	8.2739	7.26783
FBgn00407	50253	Atg10	0	0	1	-0.164788	9.73964	8.56267
FBgn00030	31251	per	0	0	1	-0.164796	2.28497	2.00852
FBgn02617	37723	mi	0	0	1	-0.164808	5.78551	5.08692
FBgn00296	31317	CG10804	0	0	1	-0.164964	4.11736	3.6197
FBgn02666	19836137	asRNA:CR4	0	0	1	-0.164964	1.22676	1.07487

FBgn00338	36479	CG17048	0	0	1	-0.165235	13.5518	11.9081
FBgn00379	41460	DCAF12	0	0	1	-0.165293	11.1695	9.81743
FBgn00304	32243	Brms1	0	0	1	-0.165384	12.5476	11.0272
FBgn00383	41903	CG12784	0	0	1	-0.165664	48.4229	42.5502
FBgn00307	32668	CG4789	0	0	1	-0.16573	13.2834	11.6698
FBgn00117	40657	Snr1	0	0	1	-0.165955	9.8729	8.6724
FBgn00346	37507	CG9308	0	0	1	-0.165955	16.015	14.0676
FBgn00402	53508	Ugt86Dc	0	0	1	-0.165964	7.09547	6.23223
FBgn02620	35071	CadN2	0	0	1	-0.16611	1.71246	1.50409
FBgn00522	117477	Gr64f	0	0	1	-0.166409	2.90373	2.54758
FBgn00299	31622	Nf-YC	0	0	1	-0.166459	2.53589	2.22578
FBgn00305	32410	CG14407	0	0	1	-0.166553	22.9779	20.1767
FBgn00339	36590	tej	0	0	1	-0.166553	2.24801	1.97218
FBgn02609	35649	Incenp	0	0	1	-0.166608	3.91918	3.4408
FBgn00298	31573	CG3823	0	0	1	-0.166729	5.37912	4.72072
FBgn00268	31140	MED18	0	0	1	-0.167034	11.6691	10.2412
FBgn00852	5740226	FBgn00852	0	0	1	-0.16723	12.7392	11.1773
FBgn02628	19835970	CR43247	0	0	1	-0.16723	9.53228	8.36071
FBgn00867	34872	mol	0	0	1	-0.167556	3.00961	2.64022
FBgn02643	14462610	asRNA:CR4	0	0	1	-0.168033	38.031	33.3557
FBgn00309	32886	CG7358	0	0	1	-0.168081	3.64094	3.19367
FBgn02645	32024	CG43901	0	0	1	-0.168364	1.6922	1.4841
FBgn00528	318222	CG32811	0	0	1	-0.168553	11.9761	10.4933
FBgn02591	37621	CG42284	0	0	1	-0.168572	6.31968	5.5414
FBgn00313	33332	CG7420	0	0	1	-0.168707	6.79717	5.95868
FBgn00315	33538	CG3347	0	0	1	-0.168872	5.49282	4.81495
FBgn00300	31855	CG12056	0	0	1	-0.169113	7.71107	6.75634
FBgn02610	5740204	clos	0	0	1	-0.169223	2.91373	2.55384
FBgn00526	32387	dpr8	0	0	1	-0.169367	3.87542	3.39658
FBgn02623	12797888	CG43062	0	0	1	-0.169428	17.7124	15.5194
FBgn00041	3772327	snRNA:U6:	0	0	1	-0.170201	2.85862	2.45915
FBgn00156	39157	Cdk8	0	0	1	-0.170201	3.03708	2.65786
FBgn00160	38797	mei-P22	0	0	1	-0.170201	1.31216	1.1448
FBgn00304	32279	CG15743	0	0	1	-0.170201	5.26608	4.61158

FBgn00305	32374	CG11674	0	0	1	-0.170201	0.118629	0.099783
FBgn00311	33126	Ir20a	0	0	1	-0.170201	0.180776	0.155513
FBgn00328	35312	CG15130	0	0	1	-0.170201	0.222809	0.187414
FBgn00330	35514	Or42a	0	0	1	-0.170201	0.108619	0.091364
FBgn00330	35538	SmydA-5	0	0	1	-0.170201	3.98507	3.48907
FBgn00342	36943	CG18469	0	0	1	-0.170201	6.82873	5.97367
FBgn00344	37255	CG18367	0	0	1	-0.170201	2.09998	1.82728
FBgn00352	38247	CG13924	0	0	1	-0.170201	0.643246	0.560383
FBgn00356	38634	CG10591	0	0	1	-0.170201	0.129333	0.108787
FBgn00359	39011	CG13308	0	0	1	-0.170201	1.86169	1.62425
FBgn00367	40008	CG13699	0	0	1	-0.170201	0.0370261	0.031144
FBgn00369	40218	CG13813	0	0	1	-0.170201	0.965127	0.84244
FBgn00370	40355	Cpr78Cc	0	0	1	-0.170201	1.22519	1.06416
FBgn00380	41511	CG10035	0	0	1	-0.170201	0.0792662	0.066674
FBgn00385	42097	CG5866	0	0	1	-0.170201	0.195821	0.164713
FBgn00388	42486	CG12278	0	0	1	-0.170201	0.16591	0.139554
FBgn00391	42914	CG17780	0	0	1	-0.170201	0.0851396	0.071614
FBgn00398	43701	CG3669	0	0	1	-0.170201	0.580882	0.504536
FBgn00407	50228	CG17580	0	0	1	-0.170201	7.96303	6.97261
FBgn00408	50350	CG12994	0	0	1	-0.170201	0.978601	0.853254
FBgn00500	3771726	CR30009	0	0	1	-0.170201	0.124846	0.107399
FBgn00512	326126	CG31220	0	0	1	-0.170201	0.332661	0.288044
FBgn00519	33572	CG31954	0	0	1	-0.170201	0.14216	0.119577
FBgn00527	19835374	CR32773	0	0	1	-0.170201	0.163743	0.140861
FBgn00534	19835680	CR33491	0	0	1	-0.170201	0.376783	0.316927
FBgn00537	3772675	snmRNA:43	0	0	1	-0.170201	3.86203	3.2485
FBgn00538	3772702	His1:CG338	0	0	1	-0.170201	0.135907	0.114317
FBgn00633	3771777	snoRNA:snl	0	0	1	-0.170201	10.6104	9.23258
FBgn00650	3771772	snoRNA:29	0	0	1	-0.170201	1.87882	1.58035
FBgn00829	5740865	snoRNA:Psi	0	0	1	-0.170201	2.28263	1.96365
FBgn02598	7354460	Su(Ste):CR4	0	0	1	-0.170201	0.0823655	0.069281
FBgn02598	7354385	Su(Ste):CR4	0	0	1	-0.170201	0.18415	0.154895
FBgn02602	50032	CG42500	0	0	1	-0.170201	0.315984	0.265786
FBgn02614	12798508	scaRNA:Me	0	0	1	-0.170201	6.33219	5.49994

FBgn02626	12798157	CG43153	0	0	1	-0.170201	0.190717	0.16042
FBgn02644	39360	CG43896	0	0	1	-0.170201	0.0690695	0.059806
FBgn02649	14462531	CR44091	0	0	1	-0.170201	1.74741	1.51774
FBgn02651	19835277	CR44256	0	0	1	-0.170201	0.285489	0.240136
FBgn02653	19835591	CG44290	0	0	1	-0.170201	0.40892	0.343959
FBgn02656	19836066	CR44466	0	0	1	-0.170201	0.277511	0.233425
FBgn02658	19835621	CR44658	0	0	1	-0.170201	0.36301	0.305342
FBgn02658	19835468	CR44676	0	0	1	-0.170201	0.374752	0.315218
FBgn02664	19836197	CG45073	0	0	1	-0.170201	0.170383	0.143316
FBgn02668	19835364	CR45308	0	0	1	-0.170201	0.272614	0.229306
FBgn02668	19835786	CR45336	0	0	1	-0.170201	0.996186	0.865255
FBgn02669	19836109	CR45446	0	0	1	-0.170201	0.538887	0.453279
FBgn02674	26067148	CR45820	0	0	1	-0.170201	0.207822	0.174807
FBgn02674	26067158	asRNA:CR4	0	0	1	-0.170201	1.23118	1.07348
FBgn02675	26067182	5.8SrRNA-F	0	0	1	-0.170201	2.48677	2.13926
FBgn02677	26067435	CR46118	0	0	1	-0.170201	0.777487	0.673209
FBgn02679	26067542	CR46231	0	0	1	-0.170201	0.390642	0.336052
FBgn02679	26067545	CR46234	0	0	1	-0.170201	0.189418	0.159327
FBgn02834	26067582	CR46273	0	0	1	-0.170201	0.828923	0.713086
FBgn02658	19835574	asRNA:CR4	0	0	1	-0.170656	30.291	26.5238
FBgn00264	31813	Lim1	0	0	1	-0.170714	3.93437	3.44478
FBgn00153	42030	CG14906	0	0	1	-0.170789	11.5762	10.1347
FBgn00409	5740834	CG16824	0	0	1	-0.171112	21.5894	18.8924
FBgn02643	14462700	asRNA:CR4	0	0	1	-0.171147	12.1132	10.6029
FBgn00378	41319	CG6621	0	0	1	-0.171828	6.32901	5.53757
FBgn02591	38689	CG42269	0	0	1	-0.17187	2.02487	1.77003
FBgn00318	33933	CG13771	0	0	1	-0.171899	6.5873	5.76149
FBgn02630	12798459	CG43331	0	0	1	-0.172139	14.539	12.716
FBgn00306	32464	CG6227	0	0	1	-0.172192	2.83888	2.4828
FBgn00349	37817	CG10904	0	0	1	-0.172309	14.2151	12.4323
FBgn00365	39776	PDCD-5	0	0	1	-0.172309	23.4003	20.4656
FBgn00398	43727	CG1792	0	0	1	-0.172356	5.52408	4.82924
FBgn00524	318043	CG32462	0	0	1	-0.172366	14.8988	13.0306
FBgn00501	37945	CG30161	0	0	1	-0.172385	21.6931	18.9726

FBgn00331	35591	CG15237	0	0	1	-0.172588	33.712	29.481
FBgn00377	41232	Npc2d	0	0	1	-0.172757	9.46518	8.27115
FBgn00346	37497	CG13494	0	0	1	-0.173447	8.14862	7.11551
FBgn00430	32166	Chrac-16	0	0	1	-0.173447	3.32019	2.89588
FBgn02674	26067144	asRNA:CR4	0	0	1	-0.173521	10.2404	8.94488
FBgn00390	42781	CG16723	0	0	1	-0.17356	2.27726	1.98831
FBgn00321	34303	CG13123	0	0	1	-0.173682	4.19386	3.66124
FBgn00318	33955	CG11236	0	0	1	-0.173724	11.5606	10.1003
FBgn00369	40265	CG5199	0	0	1	-0.173881	5.2973	4.62659
FBgn02615	10178906	CG42693	0	0	1	-0.173953	5.17966	4.51446
FBgn02629	12798463	CR43270	0	0	1	-0.173953	0.593624	0.517388
FBgn00310	32963	MKP-4	0	0	1	-0.174106	5.22405	4.56278
FBgn00532	8674045	CR33222	0	0	1	-0.174106	6.80128	5.93487
FBgn00311	33028	CG1504	0	0	1	-0.174271	0.419948	0.365851
FBgn02677	26067416	asRNA:CR4	0	0	1	-0.174271	8.61699	7.51796
FBgn00528	318231	Sdic3	0	0	1	-0.174723	8.26778	7.21935
FBgn02636	12798266	CR43633	0	0	1	-0.175228	17.8868	15.6038
FBgn00032	34819	rk	0	0	1	-0.175363	0.573066	0.499398
FBgn00317	33798	CG7236	0	0	1	-0.175656	0.579536	0.503876
FBgn00384	42082	beat-IIb	0	0	1	-0.175656	2.38892	2.08322
FBgn00500	246443	CG30082	0	0	1	-0.175656	1.71523	1.4913
FBgn00256	31395	CG3081	0	0	1	-0.175915	2.66943	2.32778
FBgn00851	34353	CG34159	0	0	1	-0.176102	21.8056	19.0225
FBgn02615	33339	haf	0	0	1	-0.176102	0.668934	0.5829
FBgn00048	37631	fd59A	0	0	1	-0.176353	0.574104	0.498648
FBgn00388	42552	CG15497	0	0	1	-0.176353	2.12491	1.8498
FBgn00289	3355151	scro	0	0	1	-0.176557	7.19933	6.27786
FBgn00342	37024	CG10931	0	0	1	-0.176599	10.4333	9.09688
FBgn02677	26067066	Tmc	0	0	1	-0.176627	0.558633	0.486545
FBgn02635	12798224	CR43612	0	0	1	-0.176865	5.11168	4.4539
FBgn00301	31865	Gr8a	0	0	1	-0.177256	0.737086	0.639367
FBgn00313	326152	erm	0	0	1	-0.177256	0.337971	0.293165
FBgn00317	33809	CG7239	0	0	1	-0.177256	3.23775	2.82019
FBgn00337	36343	CG13160	0	0	1	-0.177256	0.406529	0.352633

FBgn00358	38880	CG8281	0	0	1	-0.177256	4.36014	3.79782
FBgn02599	8674117	CG42464	0	0	1	-0.177256	3.70754	3.21602
FBgn00384	42072	CG5246	0	0	1	-0.177524	8.07288	7.03293
FBgn00389	42592	CG13409	0	0	1	-0.177814	5.04969	4.39878
FBgn02677	26067368	asRNA:CR4	0	0	1	-0.177814	9.84726	8.57483
FBgn00115	44554	Smyd3	0	0	1	-0.177937	5.88641	5.12717
FBgn00323	34572	spz4	0	0	1	-0.178128	1.36491	1.18767
FBgn00839	4379912	CG34116	0	0	1	-0.178128	5.06527	4.40751
FBgn00304	32224	CG15725	0	0	1	-0.178469	0.331379	0.286934
FBgn00324	34676	CG5780	0	0	1	-0.178469	3.2825	2.85396
FBgn00829	5740189	snoRNA:Or	0	0	1	-0.178469	17.8511	15.5206
FBgn02611	38793	BHD	0	0	1	-0.178469	7.48295	6.51578
FBgn02668	19835379	CR45294	0	0	1	-0.178469	2.58313	2.23667
FBgn02670	19835824	CR45505	0	0	1	-0.178469	1.37416	1.18986
FBgn02675	26067195	asRNA:CR4	0	0	1	-0.178469	2.31722	2.00643
FBgn02660	19836146	CR44805	0	0	1	-0.178971	13.5574	11.7819
FBgn02667	19835585	asRNA:CR4	0	0	1	-0.179107	16.6668	14.5056
FBgn02662	19835223	CR44919	0	0	1	-0.179246	1.58823	1.37833
FBgn00288	34891	dao	0	0	1	-0.179324	2.17015	1.88834
FBgn00303	32180	CG1924	0	0	1	-0.179447	5.16208	4.49175
FBgn02631	12798324	CG43371	0	0	1	-0.179539	18.2588	15.886
FBgn02674	26067128	asRNA:CR4	0	0	1	-0.179539	5.86744	5.09627
FBgn00518	318980	CG31848	0	0	1	-0.179626	7.29241	6.34174
FBgn00363	39508	CG10713	0	0	1	-0.179693	1.32778	1.15377
FBgn00291	49713	alpha-Catr	0	0	1	-0.179745	5.03977	4.38499
FBgn00029	326160	ninaD	0	0	1	-0.179947	7.8381	6.81858
FBgn00333	35892	AIMP1	0	0	1	-0.180185	4.64338	4.03554
FBgn00357	38780	BBS1	0	0	1	-0.180185	0.766059	0.664145
FBgn00854	5740761	CG34445	0	0	1	-0.180185	3.00754	2.60743
FBgn00504	36534	CG30484	0	0	1	-0.180618	2.3526	2.04495
FBgn00376	41042	M1BP	0	0	1	-0.180927	10.3611	9.00769
FBgn02635	12798074	CR43611	0	0	1	-0.180927	5.03287	4.36563
FBgn00854	5740316	CG34460	0	0	1	-0.181505	15.9284	13.8403
FBgn00046	42210	gl	0	0	1	-0.181529	1.45618	1.26442

FBgn00044	34792	tam	0	0	1	-0.1819	3.17444	2.75756
FBgn00535	3346207	CG33543	0	0	1	-0.18194	6.16812	5.3588
FBgn02626	19835373	CR43151	0	0	1	-0.182083	22.3017	19.3673
FBgn02643	14462761	CG43779	0	0	1	-0.182131	11.2756	9.79213
FBgn00307	32598	CG9919	0	0	1	-0.182174	8.15457	7.0828
FBgn00525	318079	CG32537	0	0	1	-0.182347	1.89021	1.64021
FBgn00853	5740442	bma	0	0	1	-0.182402	2.61045	2.26714
FBgn00311	33038	Obp19b	0	0	1	-0.182801	5.9062	5.12205
FBgn00370	40286	CG13251	0	0	1	-0.182801	0.554013	0.479708
FBgn00377	41249	CG12420	0	0	1	-0.182801	0.715491	0.615505
FBgn00503	246579	CG30380	0	0	1	-0.182801	1.33278	1.14653
FBgn02642	14462772	CR43764	0	0	1	-0.182801	0.996757	0.86307
FBgn02671	19834775	CR45587	0	0	1	-0.182801	1.23336	1.061
FBgn00258	31190	ND-B14.5A	0	0	1	-0.183109	8.47636	7.35441
FBgn00153	38287	CG2034	0	0	1	-0.183118	15.5275	13.4798
FBgn00337	36331	CG8850	0	0	1	-0.183498	1.32881	1.15135
FBgn00854	5740700	natalisin	0	0	1	-0.183498	1.50231	1.30168
FBgn02627	26067101	CR43176	0	0	1	-0.183498	8.20956	7.12018
FBgn00305	32377	CG1434	0	0	1	-0.183684	1.16031	1.00469
FBgn00860	5740343	snoRNA:M	0	0	1	-0.183684	65.136	56.4705
FBgn00324	34718	kek4	0	0	1	-0.184573	3.51826	3.0502
FBgn00353	38364	CG1271	0	0	1	-0.18463	8.40821	7.29136
FBgn00854	12798484	Mst77Y-16	0	0	1	-0.184902	5.71477	4.95157
FBgn00519	14462706	asRNA:CR3	0	0	1	-0.185074	7.58509	6.5748
FBgn00011	40962	grn	0	0	1	-0.185468	0.76825	0.664791
FBgn00369	40202	obst-J	0	0	1	-0.185468	2.54425	2.20162
FBgn02656	19835640	CR44493	0	0	1	-0.185468	8.95198	7.74643
FBgn00393	43069	CG10669	0	0	1	-0.185731	3.91476	3.39179
FBgn00380	41583	beat-Vb	0	0	1	-0.185767	2.99817	2.59605
FBgn00297	31412	CG15471	0	0	1	-0.185883	14.1674	12.2702
FBgn00866	31621	iav	0	0	1	-0.185883	0.577984	0.499485
FBgn02656	19835445	CR44473	0	0	1	-0.185883	3.37751	2.91879
FBgn00243	31081	MTPAP	0	0	1	-0.186051	4.77855	4.13905
FBgn00319	34111	CG8498	0	0	1	-0.186345	35.1687	30.4617

FBgn00443	326184	CG32052	0	0	1	-0.18639	2.28036	1.9739
FBgn00402	53502	Ugt86Di	0	0	1	-0.186549	1.53393	1.32685
FBgn00300	31744	Gbeta5	0	0	1	-0.186689	6.31722	5.46884
FBgn00536	32803	CG33639	0	0	1	-0.186741	1.1125	0.962569
FBgn00309	32873	CG7058	0	0	1	-0.186904	1.69358	1.46568
FBgn00337	36347	CG8501	0	0	1	-0.187275	1.29093	1.113
FBgn02629	12798304	CR43262	0	0	1	-0.187275	2.86755	2.46683
FBgn02653	19835831	CR44315	0	0	1	-0.187275	1.47809	1.26271
FBgn00153	44355	drl	0	0	1	-0.18765	4.90915	4.24796
FBgn00390	42694	CG6985	0	0	1	-0.18765	8.67274	7.50465
FBgn02648	14462659	asRNA:CR4	0	0	1	-0.187719	5.50885	4.7641
FBgn00351	38121	Trh	0	0	1	-0.187976	3.73217	3.22767
FBgn00392	42967	CG13640	0	0	1	-0.188348	5.21031	4.49792
FBgn02677	26067390	CR46073	0	0	1	-0.18858	10.7488	9.29508
FBgn00102	32554	Lcch3	0	0	1	-0.188665	7.569	6.5448
FBgn00380	41496	CG10041	0	0	1	-0.188737	8.20762	7.09415
FBgn00389	42588	mRpL35	0	0	1	-0.188737	15.625	13.5087
FBgn02604	33879	CG13984	0	0	1	-0.188763	20.4846	17.711
FBgn02610	37413	LSm1	0	0	1	-0.189017	16.7407	14.4691
FBgn00112	34293	Taf11	0	0	1	-0.18906	8.23104	7.11158
FBgn02614	43740	nero	0	0	1	-0.189382	15.8503	13.6997
FBgn00335	36167	BBS4	0	0	1	-0.189566	0.804927	0.692444
FBgn00411	34937	Tep1	0	0	1	-0.189566	0.289995	0.24947
FBgn00348	37756	CG18128	0	0	1	-0.189721	6.15212	5.3134
FBgn00395	43311	CG5646	0	0	1	-0.189919	14.4603	12.4938
FBgn02650	14462623	CG44163	0	0	1	-0.189932	24.1255	20.8407
FBgn00380	41590	CG7091	0	0	1	-0.189995	6.71499	5.80065
FBgn00336	36310	CG8860	0	0	1	-0.19001	34.8906	30.1414
FBgn00518	318981	CG31849	0	0	1	-0.190101	2.75663	2.37987
FBgn00389	42627	CG13857	0	0	1	-0.190215	8.13851	7.02899
FBgn02626	12798539	CG43149	0	0	1	-0.190239	5.47274	4.72308
FBgn00317	33797	CG12511	0	0	1	-0.190339	3.02904	2.61154
FBgn02628	12798327	CG43237	0	0	1	-0.190678	38.4215	33.1792
FBgn00535	31107	Nmdar2	0	0	1	-0.191277	2.04847	1.76816

FBgn00403	31039	CG3708	0	0	1	-0.191351	10.2592	8.8541
FBgn00829	5740461	snoRNA:M	0	0	1	-0.191896	22.3809	19.2533
FBgn00365	39779	CG13055	0	0	1	-0.192569	0.765775	0.658763
FBgn02653	19834893	CR44298	0	0	1	-0.192569	3.53395	3.03121
FBgn00323	34590	Tsp33B	0	0	1	-0.193076	11.1126	9.57884
FBgn00387	42359	CG11447	0	0	1	-0.193076	14.9555	12.8924
FBgn00306	32434	ND-B18	0	0	1	-0.193162	5.59087	4.81664
FBgn00345	37337	CG11110	0	0	1	-0.193391	16.1959	13.9573
FBgn00396	43411	CG14523	0	0	1	-0.193471	6.61052	5.69687
FBgn00354	3772638	Gr64d	0	0	1	-0.193924	2.1787	1.87603
FBgn00454	3771916	Gr64e	0	0	1	-0.193924	2.21764	1.90957
FBgn00368	40135	CG9368	0	0	1	-0.194048	4.18878	3.60781
FBgn00504	35549	CG30431	0	0	1	-0.194556	6.81254	5.86628
FBgn00284	47746	Lk	0	0	1	-0.194743	7.32921	6.305
FBgn00357	38757	CG9948	0	0	1	-0.194743	9.91383	8.53605
FBgn02634	12798424	asRNA:CR4	0	0	1	-0.194743	3.06059	2.62932
FBgn00348	37686	CG13540	0	0	1	-0.194825	13.64	11.7389
FBgn00398	43665	CG15549	0	0	1	-0.194918	9.10216	7.83496
FBgn00266	44750	Ady43A	0	0	1	-0.195033	3.68567	3.17182
FBgn00306	32494	CG9215	0	0	1	-0.195598	4.24604	3.65268
FBgn00384	42086	beat-IIa	0	0	1	-0.195598	5.1979	4.47319
FBgn00315	33600	CG10019	0	0	1	-0.195672	1.39317	1.19848
FBgn00377	41155	CG16790	0	0	1	-0.195793	4.89591	4.20915
FBgn00041	3772392	snRNA:U2:	0	0	1	-0.196673	1.44826	1.21819
FBgn00285	318935	CG31775	0	0	1	-0.196673	1.95054	1.66929
FBgn00325	34983	CG4580	0	0	1	-0.196673	0.140296	0.118008
FBgn00349	37830	CG4324	0	0	1	-0.196673	0.334061	0.284337
FBgn00390	42720	CG13837	0	0	1	-0.196673	0.868956	0.739614
FBgn00528	3772597	alphagamm	0	0	1	-0.196673	0.204912	0.17236
FBgn00540	3885610	CG34007	0	0	1	-0.196673	0.414405	0.348572
FBgn00860	5740821	snoRNA:M	0	0	1	-0.196673	12.3585	10.5576
FBgn02634	12798498	CG43446	0	0	1	-0.196673	0.650922	0.556071
FBgn02634	12798520	asRNA:CR4	0	0	1	-0.196673	0.89766	0.768227
FBgn02656	19835271	CR44468	0	0	1	-0.196673	0.364733	0.310444

FBgn02659	19835438	CR44768	0	0	1	-0.196673	0.323332	0.271968
FBgn02667	19836244	CR45255	0	0	1	-0.196673	0.939412	0.790176
FBgn02677	26067402	CR46085	0	0	1	-0.196673	0.753566	0.633854
FBgn00417	2768944	rho-5	0	0	1	-0.196994	2.96168	2.5461
FBgn00361	39253	mRpL2	0	0	1	-0.197122	9.52757	8.18847
FBgn00305	32394	CG14414	0	0	1	-0.197224	8.85171	7.60599
FBgn00310	33016	CG9577	0	0	1	-0.197578	13.0551	11.219
FBgn00364	39582	CG3919	0	0	1	-0.197587	6.92198	5.94711
FBgn02675	26067214	asRNA:CR4	0	0	1	-0.197617	9.16045	7.86479
FBgn00334	36010	dila	0	0	1	-0.197659	3.72847	3.20378
FBgn02676	26067339	asRNA:CR4	0	0	1	-0.197844	13.7273	11.7898
FBgn00511	42477	CG31191	0	0	1	-0.198114	2.09683	1.8008
FBgn00322	34452	CG18302	0	0	1	-0.198163	4.17618	3.58638
FBgn00056	37889	slbo	0	0	1	-0.198398	0.918236	0.787056
FBgn00380	41570	CG12279	0	0	1	-0.198398	12.8623	11.0427
FBgn00520	317849	CG32095	0	0	1	-0.198566	6.15899	5.28786
FBgn00396	43516	CG7789	0	0	1	-0.198629	6.02886	5.1746
FBgn02623	12798557	CG43056	0	0	1	-0.198933	19.4554	16.6928
FBgn00389	42614	rdhB	0	0	1	-0.199347	4.25781	3.65144
FBgn00535	3346160	dpr4	0	0	1	-0.199503	5.25669	4.51145
FBgn00030	45343	pk	0	0	1	-0.199522	0.69228	0.593569
FBgn00470	39214	ND-13B	0	0	1	-0.199847	16.4417	14.104
FBgn00261	47730	CG12253	0	0	1	-0.200173	7.17589	6.15381
FBgn00388	42530	SIFaR	0	0	1	-0.200363	0.95656	0.819715
FBgn00267	34761	Tehao	0	0	1	-0.200779	3.40917	2.92273
FBgn00396	43417	DIP-gamma	0	0	1	-0.20135	2.75827	2.3634
FBgn00356	38696	CG10469	0	0	1	-0.201758	9.85088	8.4394
FBgn00316	33679	CG15629	0	0	1	-0.202001	4.07778	3.49123
FBgn00204	41971	asun	0	0	1	-0.202211	3.54125	3.03254
FBgn00411	41235	nerfin-2	0	0	1	-0.202364	2.86678	2.45425
FBgn02676	26067278	asRNA:CR4	0	0	1	-0.202475	8.90617	7.62692
FBgn00388	42538	CG6475	0	0	1	-0.202623	0.875668	0.746981
FBgn00277	38238	GV1	0	0	1	-0.202801	7.76294	6.64567
FBgn00004	45285	Dr	0	0	1	-0.202991	3.86808	3.31087

FBgn00417	43424	Ssl2	0	0	1	-0.203151	4.52154	3.86869
FBgn02635	12798023	CR43607	0	0	1	-0.203299	3.37476	2.88299
FBgn00328	35268	CG10466	0	0	1	-0.203453	10.5674	9.03931
FBgn00383	41859	mRpL9	0	0	1	-0.203453	16.5649	14.1764
FBgn00335	36160	Rpb5	0	0	1	-0.203614	12.4725	10.6727
FBgn00336	36222	CG13202	0	0	1	-0.203698	11.8798	10.1573
FBgn02647	14462605	Rgk1	0	0	1	-0.203842	2.12255	1.81611
FBgn00323	34510	CG14069	0	0	1	-0.204148	1.95297	1.66228
FBgn02651	14462443	asRNA:CR4	0	0	1	-0.204148	2.56607	2.19313
FBgn00301	31966	CG2898	0	0	1	-0.204299	12.1197	10.3667
FBgn00365	39785	CG13067	0	0	1	-0.204661	7.88839	6.73891
FBgn00366	39910	beg	0	0	1	-0.204847	5.45455	4.66125
FBgn00374	40769	Osi13	0	0	1	-0.204847	1.06244	0.905215
FBgn00538	3772166	His2B:CG33	0	0	1	-0.204847	2.71056	2.30944
FBgn00351	38069	Cypl	0	0	1	-0.205072	5.1508	4.39769
FBgn00521	39972	Ccn	0	0	1	-0.205135	4.17399	3.56774
FBgn02633	19835443	CR43440	0	0	1	-0.205135	7.26604	6.20725
FBgn00327	35220	RtcB	0	0	1	-0.205346	7.67794	6.56227
FBgn00199	36489	Ser8	0	0	1	-0.205391	16.4718	14.0781
FBgn02663	19835945	CR45035	0	0	1	-0.20569	9.75993	8.32563
FBgn00297	31440	CG17764	0	0	1	-0.205929	6.65724	5.68558
FBgn00853	5740176	Drgx	0	0	1	-0.205929	1.28381	1.09551
FBgn00307	32562	Or13a	0	0	1	-0.206727	0.331821	0.279107
FBgn00324	14462752	CR17024	0	0	1	-0.206727	0.323834	0.27239
FBgn00351	38068	CG17180	0	0	1	-0.206727	5.61298	4.79044
FBgn02654	19835506	CR44360	0	0	1	-0.206727	1.36393	1.15651
FBgn00392	42961	sosie	0	0	1	-0.207323	7.21342	6.1572
FBgn00295	31123	CG14797	0	0	1	-0.2074	1.44725	1.23404
FBgn00408	2768714	Ir41a	0	0	1	-0.207562	1.56523	1.33403
FBgn00517	318908	Apf	0	0	1	-0.207956	13.5275	11.5366
FBgn00041	43275	Ser	0	0	1	-0.208033	1.21126	1.03288
FBgn00384	41961	Fer2	0	0	1	-0.208336	1.38727	1.17976
FBgn00338	36541	CG13344	0	0	1	-0.208521	7.59355	6.47626
FBgn00033	43543	Jon99Ciii	0	0	1	-0.208822	11.8626	10.1149

FBgn00242	34504	aurB	0	0	1	-0.209195	2.09196	1.7794
FBgn02670	19835290	CR45497	0	0	1	-0.209729	1.59147	1.34795
FBgn00462	43328	CG12880	0	0	1	-0.209881	4.63932	3.95171
FBgn02604	318977	mRpS23	0	0	1	-0.210178	12.6251	10.7518
FBgn02638	3355162	CG40486	0	0	1	-0.210413	6.08269	5.1773
FBgn00500	246408	CG30036	0	0	1	-0.210559	2.23933	1.90406
FBgn00361	39263	CG7607	0	0	1	-0.210658	12.9043	10.9856
FBgn00524	38677	PVRAP	0	0	1	-0.210871	2.80066	2.38379
FBgn00241	32757	unc-4	0	0	1	-0.210947	1.4557	1.23809
FBgn00297	31413	CG6978	0	0	1	-0.211173	1.38683	1.1783
FBgn00310	33026	CG17065	0	0	1	-0.211173	3.32143	2.82538
FBgn00386	42281	CG14285	0	0	1	-0.21156	5.1452	4.37513
FBgn00331	5740660	CG12828	0	0	1	-0.211692	31.9031	27.1482
FBgn00367	39937	CG13728	0	0	1	-0.212021	0.222097	0.186815
FBgn00379	41472	CG4702	0	0	1	-0.212021	0.381173	0.32062
FBgn00387	42323	CG11626	0	0	1	-0.212021	0.306409	0.257732
FBgn00392	42923	CG13622	0	0	1	-0.212021	0.949267	0.803335
FBgn00459	42959	niki	0	0	1	-0.212021	0.408481	0.345684
FBgn00854	5740788	CG34382	0	0	1	-0.212021	0.17992	0.151337
FBgn02619	42131	Pxt	0	0	1	-0.212021	0.204761	0.172233
FBgn02624	12798340	CG43071	0	0	1	-0.212021	6.7623	5.74492
FBgn02619	10178958	CG42814	0	0	1	-0.212243	13.3444	11.3493
FBgn00012	39076	Hsp67Ba	0	0	1	-0.212352	4.10761	3.49219
FBgn00367	39926	ND-24L	0	0	1	-0.212512	17.0864	14.5316
FBgn02662	19836195	CR44935	0	0	1	-0.21327	3.0999	2.62691
FBgn00311	33090	CG1503	0	0	1	-0.21372	6.90712	5.86811
FBgn00104	40942	Os-C	0	0	1	-0.213828	15.1003	12.8273
FBgn02642	33617	CG43773	0	0	1	-0.213828	4.33594	3.66695
FBgn00336	36293	CG8888	0	0	1	-0.213905	8.0587	6.84696
FBgn00286	39282	Vha16-2	0	0	1	-0.214348	10.188	8.64811
FBgn02621	10178955	CR42875	0	0	1	-0.214348	4.94718	4.19714
FBgn00334	36038	CG12134	0	0	1	-0.214791	4.83669	4.10532
FBgn00386	42228	CG7691	0	0	1	-0.214989	4.92611	4.17989
FBgn00025	31883	lz	0	0	1	-0.215289	0.40892	0.345645

FBgn00309	2768889	CG33253	0	0	1	-0.215289	0.256046	0.21537
FBgn00337	36353	Cpr49Ag	0	0	1	-0.215289	1.06948	0.899585
FBgn00350	37920	CG11413	0	0	1	-0.215289	1.15476	0.971313
FBgn00650	3772300	snmRNA:35	0	0	1	-0.215289	9.02811	7.5939
FBgn02667	19835292	CR45233	0	0	1	-0.215289	1.19444	1.00469
FBgn02669	19835953	CR45392	0	0	1	-0.215289	1.32919	1.11803
FBgn02674	26067112	Mst77Y-8P	0	0	1	-0.215289	1.0597	0.891357
FBgn02672	19835683	asRNA:CR4	0	0	1	-0.215852	15.2155	12.9101
FBgn00343	37099	IM23	0	0	1	-0.215919	12.8932	10.9325
FBgn00368	40109	ms(3)76Ba	0	0	1	-0.216245	5.98581	5.07752
FBgn00275	36005	CG1688	0	0	1	-0.216495	2.3037	1.95336
FBgn00308	32679	DENR	0	0	1	-0.216495	16.6255	14.0996
FBgn00320	34224	CG17906	0	0	1	-0.216495	3.23599	2.73998
FBgn00363	39507	CG14105	0	0	1	-0.216495	9.47762	8.03345
FBgn02677	26067393	CR46076	0	0	1	-0.216495	1.73211	1.46345
FBgn00650	3772365	RNaseMRP	0	0	1	-0.216711	10.4821	8.8781
FBgn00500	246446	CG30087	0	0	1	-0.216851	2.90069	2.4539
FBgn02659	19835980	CR44756	0	0	1	-0.216851	1.38873	1.17483
FBgn00386	42312	CG14280	0	0	1	-0.216949	2.012	1.70469
FBgn00349	37844	ppk29	0	0	1	-0.217507	0.958306	0.809372
FBgn00387	42386	CG17190	0	0	1	-0.217507	12.9187	10.948
FBgn00866	3771847	snoRNA:Psi	0	0	1	-0.217507	5.75309	4.83915
FBgn02646	14462393	asRNA:CR4	0	0	1	-0.217507	0.767431	0.645516
FBgn02648	14462696	CR44059	0	0	1	-0.217507	0.778896	0.65516
FBgn02653	19836033	asRNA:CR4	0	0	1	-0.217507	4.22993	3.57254
FBgn00336	36263	Sln	0	0	1	-0.217786	2.92402	2.47742
FBgn02628	12797965	CR43214	0	0	1	-0.218096	4.56421	3.86375
FBgn00235	30996	CG17778	0	0	1	-0.218368	5.52408	4.67697
FBgn02645	14462893	CR43943	0	0	1	-0.218368	3.00858	2.54022
FBgn00374	40754	NPFR	0	0	1	-0.218875	1.81686	1.53733
FBgn00256	47718	CG17829	0	0	1	-0.218971	4.36327	3.69344
FBgn00392	42998	CG11786	0	0	1	-0.219111	1.26723	1.06591
FBgn02656	19834739	CR44497	0	0	1	-0.219111	1.50655	1.26722
FBgn02658	19835441	CR44688	0	0	1	-0.219111	1.9741	1.66049

FBgn02621	10178871	CR42861	0	0	1	-0.219954	5.92599	5.00589
FBgn00344	37236	Arl6	0	0	1	-0.220325	1.56878	1.31956
FBgn00345	37357	CG17999	0	0	1	-0.220325	4.70295	3.97658
FBgn02634	12798409	asRNA:CR4	0	0	1	-0.220325	11.1136	9.39575
FBgn00383	41888	B9d1	0	0	1	-0.220499	7.89063	6.6703
FBgn00344	37204	CG7137	0	0	1	-0.220633	9.28346	7.85012
FBgn00320	34234	CG12439	0	0	1	-0.220827	5.5421	4.68188
FBgn02658	19835672	CR44671	0	0	1	-0.221275	3.57513	3.00718
FBgn02663	19835377	CR45034	0	0	1	-0.221677	10.1887	8.59241
FBgn00371	40503	CG13239	0	0	1	-0.22204	1.9749	1.66117
FBgn02650	14462786	CR44151	0	0	1	-0.22204	3.29462	2.77123
FBgn00535	3346225	CG33509	0	0	1	-0.222208	4.11656	3.47509
FBgn00279	41151	MBD-like	0	0	1	-0.222324	8.42142	7.11223
FBgn00374	40869	CG14607	0	0	1	-0.222369	2.00238	1.68825
FBgn02648	14462664	CR44075	0	0	1	-0.222369	3.5989	3.03431
FBgn00005	40428	eg	0	0	1	-0.222668	0.752269	0.632763
FBgn00373	40648	Or83a	0	0	1	-0.222668	1.12288	0.944498
FBgn02643	14462794	CR43804	0	0	1	-0.222668	2.91863	2.45497
FBgn02664	19834798	asRNA:CR4	0	0	1	-0.222668	4.6414	3.91286
FBgn02625	12797977	CG43088	0	0	1	-0.223426	2.95665	2.49189
FBgn00382	41713	PK1-R	0	0	1	-0.223535	2.85593	2.40922
FBgn00521	39980	CG32187	0	0	1	-0.224024	1.46792	1.23472
FBgn00370	40288	cmpy	0	0	1	-0.224196	2.95944	2.49567
FBgn00316	33677	CG3294	0	0	1	-0.224357	2.72472	2.29566
FBgn00852	5740534	CG34194	0	0	1	-0.224986	11.1226	9.37354
FBgn00535	3346202	SIFa	0	0	1	-0.225528	5.28642	4.44662
FBgn00310	32969	Arp10	0	0	1	-0.225696	5.73873	4.83468
FBgn02662	19835291	CR44926	0	0	1	-0.225696	4.73976	3.9868
FBgn00310	32982	CG14231	0	0	1	-0.226054	3.48876	2.93764
FBgn00372	40604	CG14659	0	0	1	-0.226627	8.97985	7.55331
FBgn00378	41312	CG4596	0	0	1	-0.226708	1.76962	1.48849
FBgn00227	38223	Cht2	0	0	1	-0.226856	1.46447	1.23182
FBgn00504	246640	CG30480	0	0	1	-0.227103	1.4175	1.19231
FBgn00854	5740876	CG34452	0	0	1	-0.227103	3.85905	3.246

FBgn02665	8674119	Kmn2	0	0	1	-0.227659	11.9856	10.0816
FBgn00004	44135	ect	0	0	1	-0.229095	2.07379	1.74278
FBgn00008	31084	png	0	0	1	-0.229095	0.349454	0.288691
FBgn00039	3772520	snRNA:U1:	0	0	1	-0.229095	0.678209	0.534814
FBgn00041	3772628	snRNA:U6:	0	0	1	-0.229095	1.0395	0.819715
FBgn00253	37788	PHDP	0	0	1	-0.229095	0.413261	0.341403
FBgn00258	3772422	snoRNA:M	0	0	1	-0.229095	0.984304	0.77619
FBgn00300	31750	Or7a	0	0	1	-0.229095	0.201497	0.164779
FBgn00305	32361	CG1368	0	0	1	-0.229095	0.502961	0.415506
FBgn00306	32502	CG12708	0	0	1	-0.229095	0.0653504	0.051533
FBgn00312	33267	CG13950	0	0	1	-0.229095	3.84834	3.23205
FBgn00346	37485	Loxl2	0	0	1	-0.229095	0.948866	0.794746
FBgn00351	38090	hng3	0	0	1	-0.229095	4.07369	3.42272
FBgn00355	38587	CG13705	0	0	1	-0.229095	0.253445	0.209376
FBgn00371	40483	CG12546	0	0	1	-0.229095	1.36474	1.13598
FBgn00377	41233	Npc2c	0	0	1	-0.229095	0.353474	0.289062
FBgn00394	43201	TwdlP	0	0	1	-0.229095	1.61623	1.35175
FBgn00404	36495	cid	0	0	1	-0.229095	0.246561	0.201631
FBgn00501	326110	Obp57e	0	0	1	-0.229095	0.270624	0.213405
FBgn00502	246529	CG30286	0	0	1	-0.229095	0.115022	0.090703
FBgn00510	261634	CG31051	0	0	1	-0.229095	1.76032	1.47382
FBgn00532	2768952	CG33263	0	0	1	-0.229095	0.131009	0.103309
FBgn00534	3772197	Ir48a	0	0	1	-0.229095	0.090723	0.071541
FBgn00537	3771845	snmRNA:4	0	0	1	-0.229095	3.08962	2.43638
FBgn00537	3772606	snmRNA:4	0	0	1	-0.229095	3.08962	2.43638
FBgn00537	3772440	snmRNA:4	0	0	1	-0.229095	3.08962	2.43638
FBgn00537	3771842	snmRNA:4	0	0	1	-0.229095	3.08962	2.43638
FBgn00537	3772381	CG33758	0	0	1	-0.229095	0.207125	0.163332
FBgn00538	3772282	His2A:CG3	0	0	1	-0.229095	3.44661	2.8868
FBgn00538	3772004	His1:CG338	0	0	1	-0.229095	0.108726	0.085738
FBgn00602	3771888	snoRNA:U4	0	0	1	-0.229095	163.016	137.046
FBgn00639	10178868	Kaz1-ORFA	0	0	1	-0.229095	1.72093	1.42849
FBgn00830	5740198	snoRNA:Psi	0	0	1	-0.229095	2.82096	2.33045
FBgn00852	5740610	CG34254	0	0	1	-0.229095	0.786979	0.643571

FBgn00860	5740806	snoRNA:M	0	0	1	-0.229095	2.7501	2.24896
FBgn00866	3772585	snoRNA:Psi	0	0	1	-0.229095	0.761824	0.60075
FBgn02592	32860	CCKLR-17D	0	0	1	-0.229095	0.601082	0.503762
FBgn02596	35449	Ir40a	0	0	1	-0.229095	0.83523	0.700571
FBgn02625	12798505	CR43096	0	0	1	-0.229095	0.2823	0.222613
FBgn02629	12798066	CR43303	0	0	1	-0.229095	0.861266	0.711508
FBgn02632	5740248	robls54B	0	0	1	-0.229095	0.941756	0.781725
FBgn02644	14462840	CG43886	0	0	1	-0.229095	0.320537	0.252765
FBgn02648	14462560	asRNA:CR4	0	0	1	-0.229095	5.46625	4.58122
FBgn02649	14462450	asRNA:CR4	0	0	1	-0.229095	7.27146	6.11159
FBgn02653	19835543	CR44317	0	0	1	-0.229095	1.00185	0.8384
FBgn02654	19835156	CR44353	0	0	1	-0.229095	0.749279	0.612741
FBgn02659	19835606	CR44745	0	0	1	-0.229095	1.25926	1.05381
FBgn02660	19835252	CR44780	0	0	1	-0.229095	0.553365	0.436366
FBgn02660	19835303	CR44782	0	0	1	-0.229095	0.164293	0.129556
FBgn02660	19835444	asRNA:CR4	0	0	1	-0.229095	1.26225	1.05392
FBgn02661	19835324	CR44842	0	0	1	-0.229095	0.266427	0.221154
FBgn02662	19835664	CR44899	0	0	1	-0.229095	1.2349	1.02977
FBgn02662	19835626	CR44933	0	0	1	-0.229095	0.202311	0.165445
FBgn02662	19834872	CR44937	0	0	1	-0.229095	1.46672	1.22087
FBgn02668	19835189	CR45298	0	0	1	-0.229095	0.289317	0.236596
FBgn02670	19835687	CR45523	0	0	1	-0.229095	0.270258	0.22101
FBgn02671	19835449	CR45627	0	0	1	-0.229095	0.534742	0.42168
FBgn02671	19835524	CR45635	0	0	1	-0.229095	0.647741	0.535111
FBgn02672	19835871	CR45679	0	0	1	-0.229095	0.800785	0.667765
FBgn02673	19835809	CR45748	0	0	1	-0.229095	0.387548	0.305608
FBgn02676	26067265	CR45938	0	0	1	-0.229095	0.384866	0.303493
FBgn02678	26067496	CR46182	0	0	1	-0.229095	0.143518	0.113174
FBgn00391	42798	CG10300	0	0	1	-0.230191	6.14593	5.1617
FBgn00540	3885645	CG34057	0	0	1	-0.230302	6.49401	5.4532
FBgn02643	14462699	CG43798	0	0	1	-0.230781	7.92879	6.65356
FBgn00327	35179	CG10495	0	0	1	-0.230864	4.11724	3.45464
FBgn02653	19835843	CR44309	0	0	1	-0.231004	5.05086	4.23718
FBgn00504	36631	CG30479	0	0	1	-0.231056	1.41311	1.18537

FBgn00383	41935	Fbxl7	0	0	1	-0.231365	2.77541	2.32898
FBgn00268	31167	CG4325	0	0	1	-0.231439	4.74293	3.97643
FBgn02634	12798374	asRNA:CR4	0	0	1	-0.231517	2.8468	2.3885
FBgn00349	37877	CG11406	0	0	1	-0.231602	0.871622	0.730592
FBgn00387	42334	CG7333	0	0	1	-0.232309	5.50236	4.61448
FBgn00006	39419	eyg	0	0	1	-0.232567	0.909809	0.761561
FBgn00156	33259	Clp	0	0	1	-0.232567	2.29862	1.92407
FBgn00516	33330	CG31661	0	0	1	-0.232567	2.13578	1.78777
FBgn00309	32878	CG7280	0	0	1	-0.233006	3.62866	3.04115
FBgn00854	41513	CG34402	0	0	1	-0.233311	3.12626	2.61934
FBgn02649	14462746	CR44145	0	0	1	-0.233395	2.15495	1.80169
FBgn02677	26067411	CR46094	0	0	1	-0.233395	4.31392	3.60675
FBgn00382	41774	Cad88C	0	0	1	-0.23346	1.36044	1.13999
FBgn00339	36602	CG10104	0	0	1	-0.23409	3.96712	3.32145
FBgn00357	38835	ppk26	0	0	1	-0.234331	0.905145	0.755755
FBgn00512	318655	CG31274	0	0	1	-0.234598	3.8957	3.26011
FBgn02675	26067250	CR45922	0	0	1	-0.234741	3.13945	2.61976
FBgn00522	317936	CG32246	0	0	1	-0.234971	1.91987	1.60495
FBgn00385	42184	CG7168	0	0	1	-0.235221	6.31968	5.28745
FBgn00471	251690	CG32147	0	0	1	-0.236391	13.5828	11.3608
FBgn00359	39029	CG5644	0	0	1	-0.236789	3.80067	3.1764
FBgn00409	50432	Peritrophin	0	0	1	-0.237056	20.5951	17.214
FBgn00005	36240	en	0	0	1	-0.237315	1.30468	1.08904
FBgn02637	14462617	CG43668	0	0	1	-0.237315	1.76876	1.47048
FBgn02648	14462479	CG44044	0	0	1	-0.237315	6.87265	5.73102
FBgn00347	37624	CG9825	0	0	1	-0.237812	1.47773	1.23161
FBgn00347	37567	CG10384	0	0	1	-0.237871	2.67302	2.23319
FBgn00384	42067	CG17477	0	0	1	-0.238373	1.24166	1.03066
FBgn00302	31989	CG2124	0	0	1	-0.238828	4.07803	3.40497
FBgn00342	37055	CG5767	0	0	1	-0.238843	9.63788	8.04517
FBgn00380	41578	beat-Va	0	0	1	-0.238876	1.60088	1.33559
FBgn00049	32813	upd1	0	0	1	-0.239148	1.59276	1.32851
FBgn00303	32172	Cyp318a1	0	0	1	-0.239243	1.56366	1.30285
FBgn00137	19893546	mt:tRNA:Se	0	0	1	-0.239742	13.4944	11.1787

FBgn00331	35651	CG12164	0	0	1	-0.239742	0.590487	0.489157
FBgn00372	40512	BoYb	0	0	1	-0.239742	1.05476	0.878985
FBgn02677	26067431	CR46114	0	0	1	-0.239742	1.03803	0.859897
FBgn00396	43460	Brd8	0	0	1	-0.23992	2.98781	2.49222
FBgn00340	36744	CG12970	0	0	1	-0.240293	4.72003	3.9342
FBgn00385	42188	CG18598	0	0	1	-0.240293	14.9074	12.4255
FBgn00517	33568	CG31776	0	0	1	-0.240383	5.88979	4.91245
FBgn00320	34206	LManVI	0	0	1	-0.241433	3.60782	3.00692
FBgn00830	5740621	snoRNA:Psi	0	0	1	-0.241586	57.4007	47.8226
FBgn00853	5740152	CG34342	0	0	1	-0.241586	0.429445	0.354773
FBgn00403	31272	CG12498	0	0	1	-0.241881	12.205	10.1692
FBgn00364	2768950	CG33259	0	0	1	-0.242515	8.54606	7.10796
FBgn02630	246515	CG43325	0	0	1	-0.24277	2.1374	1.77645
FBgn02677	26067422	asRNA:CR4	0	0	1	-0.24277	3.71708	3.08148
FBgn02649	14462545	asRNA:CR4	0	0	1	-0.24345	9.82271	8.16978
FBgn00299	31658	CG8300	0	0	1	-0.243663	11.0702	9.21226
FBgn00332	35765	CG11191	0	0	1	-0.244202	4.09761	3.40658
FBgn02643	14462702	asRNA:CR4	0	0	1	-0.244202	3.27339	2.71715
FBgn02673	19834952	CR45752	0	0	1	-0.244202	1.12006	0.921641
FBgn00397	43556	CG15525	0	0	1	-0.244416	15.0513	12.5172
FBgn00372	40621	Prosbeta2F	0	0	1	-0.244781	8.26397	6.87136
FBgn00367	39933	Mip	0	0	1	-0.245335	6.65286	5.52897
FBgn02666	19835075	asRNA:CR4	0	0	1	-0.245853	8.12501	6.75047
FBgn00389	42645	CG5377	0	0	1	-0.245865	9.09872	7.55996
FBgn02626	12797949	CG43138	0	0	1	-0.246373	17.7105	14.7072
FBgn02660	19836112	CR44809	0	0	1	-0.246653	3.15866	2.61332
FBgn00299	31624	Atx-1	0	0	1	-0.248204	0.56238	0.4599
FBgn00376	41132	GstZ1	0	0	1	-0.248204	8.07091	6.69269
FBgn00406	50161	CG12483	0	0	1	-0.248204	1.69218	1.3945
FBgn02616	19834793	CR42719	0	0	1	-0.248204	0.53021	0.433592
FBgn02644	14462678	CG43851	0	0	1	-0.248204	12.1508	10.0731
FBgn02657	19835489	CR44578	0	0	1	-0.248204	1.48964	1.21819
FBgn02660	19835582	CR44785	0	0	1	-0.248204	0.775998	0.634591
FBgn02671	19836095	CR45613	0	0	1	-0.248204	0.357769	0.292574

FBgn00023	49762	l(3)87Df	0	0	1	-0.249038	17.4107	14.4325
FBgn02658	19834928	CR44680	0	0	1	-0.249273	2.41678	1.99859
FBgn00408	50316	CG15213	0	0	1	-0.249559	5.3182	4.39346
FBgn02592	7354472	CG42340	0	0	1	-0.249692	0.779473	0.645454
FBgn00248	43499	Pcd	0	0	1	-0.249879	15.3799	12.7431
FBgn00527	318165	CG32712	0	0	1	-0.250054	2.36356	1.9491
FBgn02667	19835107	CR45225	0	0	1	-0.250054	1.50386	1.24015
FBgn00525	318059	CG32506	0	0	1	-0.250754	1.50563	1.24646
FBgn00056	38700	Ets65A	0	0	1	-0.250865	1.22028	1.00979
FBgn00006	45848	e(y)2	0	0	1	-0.251121	10.8905	9.00926
FBgn00301	3771922	ric8b	0	0	1	-0.251121	1.39907	1.14923
FBgn02647	2768995	CG43980	0	0	1	-0.251121	0.150128	0.123319
FBgn00364	39660	Best4	0	0	1	-0.2513	5.18655	4.29224
FBgn02654	19836178	CR44366	0	0	1	-0.251612	1.95747	1.6171
FBgn00388	42473	CG3822	0	0	1	-0.25175	2.71359	2.24522
FBgn00524	40412	CG32447	0	0	1	-0.251815	0.853523	0.705514
FBgn00864	37619	stl	0	0	1	-0.252302	0.853898	0.705421
FBgn00324	34663	CG5418	0	0	1	-0.252942	1.39498	1.14893
FBgn00306	32490	CG9213	0	0	1	-0.253094	2.32711	1.92247
FBgn00313	33348	mRpL48	0	0	1	-0.253094	6.89885	5.69927
FBgn00359	39030	CG13314	0	0	1	-0.254089	4.09383	3.37726
FBgn00352	38192	CG13926	0	0	1	-0.25463	10.8775	8.98036
FBgn00012	39499	ImpL1	0	0	1	-0.25509	0.607917	0.497139
FBgn00315	33579	IFT57	0	0	1	-0.25509	1.55522	1.28057
FBgn00389	42636	CG13847	0	0	1	-0.25509	0.243522	0.199146
FBgn00839	42402	Nlg4	0	0	1	-0.25509	1.30045	1.07333
FBgn02636	14462654	CR43648	0	0	1	-0.25509	0.72442	0.585902
FBgn02658	19835994	CR44619	0	0	1	-0.25509	0.278709	0.225416
FBgn02676	26067312	CR45985	0	0	1	-0.25509	1.385	1.12017
FBgn02754	26067574	asRNA:CR4	0	0	1	-0.25509	2.24247	1.84336
FBgn02667	19835089	asRNA:CR4	0	0	1	-0.255689	6.81871	5.62367
FBgn02634	12798227	asRNA:CR4	0	0	1	-0.256218	6.98174	5.75871
FBgn00005	41858	ea	0	0	1	-0.257109	3.53273	2.91025
FBgn02645	14462588	CG43919	0	0	1	-0.257109	3.75448	3.08402

FBgn00012	36239	inv	0	0	1	-0.257664	1.19325	0.982947
FBgn02609	8674091	CG42594	0	0	1	-0.257664	0.824381	0.678593
FBgn00393	43120	CG14354	0	0	1	-0.257854	10.1236	8.34125
FBgn00368	40088	CG14082	0	0	1	-0.258143	2.16057	1.77948
FBgn00046	38742	GluRIA	0	0	1	-0.258363	2.62739	2.16396
FBgn00501	246489	CG30157	0	0	1	-0.258639	3.95316	3.25164
FBgn00261	31669	CBP	0	0	1	-0.259152	2.08091	1.71179
FBgn00458	117503	RacGAP84C	0	0	1	-0.259358	5.13352	4.22414
FBgn02674	26067041	Mst77Y-4	0	0	1	-0.259377	10.7887	8.87899
FBgn00327	35132	CG10348	0	0	1	-0.259718	2.63869	2.17125
FBgn00539	3885668	CG33965	0	0	1	-0.259838	2.22236	1.82372
FBgn00514	40826	pb	0	0	1	-0.260804	0.678755	0.556811
FBgn02674	26067123	CR45792	0	0	1	-0.260804	0.841465	0.68366
FBgn00401	53550	lectin-24Db	0	0	1	-0.261349	3.49377	2.8683
FBgn00301	31860	Obp8a	0	0	1	-0.261597	4.65772	3.81985
FBgn02630	12798140	CG43326	0	0	1	-0.261597	2.26254	1.85553
FBgn02653	19834903	asRNA:CR4	0	0	1	-0.261832	7.48267	6.1417
FBgn00673	42574	Cby	0	0	1	-0.261944	9.38808	7.70866
FBgn00033	44858	sad	0	0	1	-0.262262	0.846901	0.692574
FBgn00412	37726	Gr59f	0	0	1	-0.262262	1.22978	1.00568
FBgn02658	19835404	CR44614	0	0	1	-0.262262	2.58889	2.11713
FBgn02661	19835407	CR44844	0	0	1	-0.262262	3.62695	2.96602
FBgn02599	8674095	Sfp26Ac	0	0	1	-0.262395	22.5872	18.5448
FBgn00382	41807	RpS5b	0	0	1	-0.262826	3.45024	2.82835
FBgn00366	39817	CG4842	0	0	1	-0.262883	8.00853	6.57352
FBgn02651	14462814	CR44217	0	0	1	-0.262928	7.70977	6.32287
FBgn00137	38451	Awh	0	0	1	-0.26331	2.10135	1.72306
FBgn02653	19835152	CR44292	0	0	1	-0.26331	0.579693	0.471874
FBgn02668	19835344	CR45351	0	0	1	-0.26331	2.5622	2.09845
FBgn00405	50048	CG15922	0	0	1	-0.263598	12.0375	9.87207
FBgn00522	326205	Claspin	0	0	1	-0.26386	0.605123	0.495534
FBgn00359	39067	mRRF1	0	0	1	-0.264	7.80207	6.39856
FBgn00143	39441	mirr	0	0	1	-0.264719	2.33627	1.91555
FBgn02634	12798426	asRNA:CR4	0	0	1	-0.264719	1.02425	0.837608

FBgn00862	19835929	CR42490	0	0	1	-0.265214	1.30615	1.06814
FBgn02661	19836238	asRNA:CR4	0	0	1	-0.265427	7.23733	5.9274
FBgn00323	34532	CG14913	0	0	1	-0.265621	2.41444	1.97636
FBgn02658	19835112	asRNA:CR4	0	0	1	-0.265621	3.63339	2.96263
FBgn02628	12798583	CG43232	0	0	1	-0.266569	6.96961	5.70376
FBgn02628	12798407	CG43190	0	0	1	-0.267461	7.53793	6.16432
FBgn00408	50373	CG17776	0	0	1	-0.267838	11.2476	9.198
FBgn02650	19835013	CR44173	0	0	1	-0.268765	6.65214	5.43627
FBgn00317	33808	CG14005	0	0	1	-0.268906	4.91993	4.02107
FBgn00039	35289	vls	0	0	1	-0.269737	3.22641	2.63352
FBgn00289	34875	NC2beta	0	0	1	-0.269737	2.71938	2.21489
FBgn00311	33039	Obp19c	0	0	1	-0.269737	0.227457	0.179365
FBgn00352	38241	Cpr62Bc	0	0	1	-0.269737	0.196166	0.154691
FBgn00397	43538	CG15515	0	0	1	-0.269737	3.12235	2.53961
FBgn00412	36094	Gr47a	0	0	1	-0.269737	0.80699	0.654549
FBgn00532	2768969	CG33267	0	0	1	-0.269737	1.64891	1.33968
FBgn00534	19835427	CR33496	0	0	1	-0.269737	0.602853	0.47539
FBgn00535	3346145	CG33557	0	0	1	-0.269737	0.701353	0.563909
FBgn00829	5740233	snoRNA:Psi	0	0	1	-0.269737	7.31752	5.93523
FBgn00854	5740868	CG34458	0	0	1	-0.269737	0.259571	0.20469
FBgn02598	7354459	Su(Ste):CR4	0	0	1	-0.269737	0.133766	0.105483
FBgn02604	318108	CG32599	0	0	1	-0.269737	0.586351	0.474234
FBgn02636	14462765	CR43640	0	0	1	-0.269737	1.86872	1.5247
FBgn02644	14462769	CR43854	0	0	1	-0.269737	1.43163	1.15788
FBgn02654	19835342	lncRNA:TS1	0	0	1	-0.269737	4.10412	3.34547
FBgn02657	19835279	CR44563	0	0	1	-0.269737	0.450309	0.355099
FBgn02674	26067147	CR45819	0	0	1	-0.269737	1.14182	0.918055
FBgn02676	26067330	CR46009	0	0	1	-0.269737	2.86666	2.33591
FBgn00317	33793	DIP-eta	0	0	1	-0.270571	2.2893	1.86887
FBgn00356	38651	Cralbp	0	0	1	-0.271578	1.92427	1.56754
FBgn02661	19835882	CR44852	0	0	1	-0.271682	8.92175	7.27954
FBgn02625	12798341	CG43109	0	0	1	-0.272041	18.9639	15.4584
FBgn00852	5740219	CG34211	0	0	1	-0.272163	11.7967	9.59784
FBgn02628	12797964	CR43215	0	0	1	-0.272816	4.68124	3.81453

FBgn00351	38113	CG9205	0	0	1	-0.272961	4.70005	3.82921
FBgn00361	39276	CG7560	0	0	1	-0.272991	7.93756	6.47059
FBgn00300	31807	CG11294	0	0	1	-0.27353	5.83701	4.75574
FBgn00375	40986	CG11698	0	0	1	-0.273706	4.73629	3.85536
FBgn02658	19835912	CR44683	0	0	1	-0.273949	1.75487	1.42664
FBgn00355	38583	CG13707	0	0	1	-0.274152	2.44194	1.98775
FBgn02668	19835892	asRNA:CR4	0	0	1	-0.274898	4.61896	3.75828
FBgn00312	33221	CG4133	0	0	1	-0.2751	2.42071	1.96976
FBgn02654	19835630	CR44365	0	0	1	-0.275142	2.00655	1.63227
FBgn00004	45282	dib	0	0	1	-0.275207	2.11189	1.71718
FBgn00380	41575	beat-Vc	0	0	1	-0.275318	1.37224	1.1149
FBgn02640	38296	MsR2	0	0	1	-0.27541	1.72481	1.40271
FBgn00518	326163	CG31823	0	0	1	-0.275554	2.79453	2.2714
FBgn00523	2768976	CG32318	0	0	1	-0.2764	1.06267	0.856611
FBgn02677	26067425	CR46108	0	0	1	-0.2764	5.80949	4.72449
FBgn00371	40475	Trxr-2	0	0	1	-0.276773	4.99093	4.05791
FBgn00511	318599	CG31125	0	0	1	-0.277116	1.59169	1.29044
FBgn02615	34838	l(2)34Fc	0	0	1	-0.27735	7.00726	5.69137
FBgn00305	32386	betaNACte	0	0	1	-0.277535	4.84393	3.93258
FBgn00858	5740627	CR41601	0	0	1	-0.277535	2.35496	1.90466
FBgn00524	318044	Tengl2	0	0	1	-0.277915	7.56623	6.14599
FBgn00300	31737	CG2120	0	0	1	-0.278422	2.84085	2.30348
FBgn00297	31494	CG15773	0	0	1	-0.279135	1.012	0.818491
FBgn00356	38730	CG13300	0	0	1	-0.279135	1.27304	1.03276
FBgn00374	40767	CG15597	0	0	1	-0.279135	0.859997	0.688931
FBgn00385	42099	CG14331	0	0	1	-0.279135	0.510882	0.40926
FBgn00403	31066	CG14625	0	0	1	-0.279135	0.22642	0.181382
FBgn00421	59151	mRpL36	0	0	1	-0.279135	6.12307	4.96135
FBgn00857	5740730	CR40611	0	0	1	-0.279135	0.536708	0.429949
FBgn02615	14462440	CR42651	0	0	1	-0.279135	0.575955	0.464742
FBgn00141	40374	croc	0	0	1	-0.280625	0.663472	0.53565
FBgn00395	43281	CG5984	0	0	1	-0.280982	1.74872	1.41434
FBgn00406	50082	CG3348	0	0	1	-0.281802	11.0037	8.91166
FBgn02615	10178951	CG42658	0	0	1	-0.281802	8.06936	6.53522

FBgn00323	34559	CG4788	0	0	1	-0.282206	3.27955	2.65406
FBgn02667	19835455	asRNA:CR4	0	0	1	-0.28373	3.23384	2.61371
FBgn00350	37899	Pgam5-2	0	0	1	-0.284021	1.72041	1.38821
FBgn00363	39456	Sf3a2	0	0	1	-0.2841	7.65242	6.18918
FBgn00336	36250	CG13196	0	0	1	-0.285014	2.95436	2.38724
FBgn00309	32894	CG7423	0	0	1	-0.285678	3.13945	2.52926
FBgn00326	35066	Oli	0	0	1	-0.285678	1.77226	1.43005
FBgn00327	35182	CG17572	0	0	1	-0.285678	0.786198	0.630847
FBgn00368	40100	CG14086	0	0	1	-0.285678	0.217239	0.171308
FBgn00408	50363	ksh	0	0	1	-0.285678	12.4011	10.0143
FBgn00514	318749	CG31464	0	0	1	-0.285678	0.450309	0.355099
FBgn00532	26067087	CR33255	0	0	1	-0.285678	7.58361	6.11309
FBgn00538	3772632	His2A:CG33	0	0	1	-0.285678	3.60978	2.90586
FBgn02625	3772338	CheA46a	0	0	1	-0.285678	0.624867	0.49275
FBgn02657	19835296	CR44517	0	0	1	-0.285678	0.203339	0.160346
FBgn02659	19835600	CR44730	0	0	1	-0.285678	1.47646	1.16429
FBgn02669	19836176	CR45422	0	0	1	-0.285678	2.18605	1.74684
FBgn02674	26067139	CR45809	0	0	1	-0.285678	2.53147	2.03782
FBgn02677	26067379	CR46062	0	0	1	-0.285678	0.651717	0.513923
FBgn00405	50061	CG13841	0	0	1	-0.286155	10.057	8.1232
FBgn00253	31128	CG3795	0	0	1	-0.286939	5.08412	4.10296
FBgn02644	14462832	CR43882	0	0	1	-0.288257	2.44307	1.96155
FBgn00288	34922	CG18477	0	0	1	-0.288729	2.64378	2.12916
FBgn00298	31608	CG3184	0	0	1	-0.289037	2.00472	1.61185
FBgn00305	32342	CG11103	0	0	1	-0.2895	5.66375	4.56128
FBgn00394	43233	CG5500	0	0	1	-0.289636	7.05685	5.68393
FBgn00338	36548	St4	0	0	1	-0.290111	3.80783	3.06452
FBgn00504	37882	nord	0	0	1	-0.290247	2.48749	2.00307
FBgn00853	5740605	CG34279	0	0	1	-0.290495	8.41039	6.76967
FBgn00373	40673	CG2931	0	0	1	-0.290739	6.39002	5.14395
FBgn00350	37930	CG13587	0	0	1	-0.29131	2.16749	1.7392
FBgn00854	5740303	CG34386	0	0	1	-0.29199	3.20158	2.57496
FBgn00317	33804	CG11029	0	0	1	-0.29282	1.23242	0.988048
FBgn00373	40649	CG2663	0	0	1	-0.293521	2.78911	2.23939

FBgn00289	34815	NimB5	0	0	1	-0.2938	5.66098	4.5479
FBgn00202	38169	stet	0	0	1	-0.29419	0.915982	0.733779
FBgn00538	3772437	His-Psi:CR3	0	0	1	-0.29419	1.33605	1.05357
FBgn02630	12798419	CG43315	0	0	1	-0.29419	0.752801	0.593635
FBgn00374	40868	thw	0	0	1	-0.295092	0.803506	0.644006
FBgn00361	39261	CG14142	0	0	1	-0.298745	2.54885	2.04027
FBgn00137	19893544	mt:tRNA:A	0	0	1	-0.299484	8.68956	6.85231
FBgn00300	31845	fh	0	0	1	-0.299484	5.00938	4.00543
FBgn00314	33454	CG15398	0	0	1	-0.299484	0.559489	0.441195
FBgn02604	8674034	CR14578	0	0	1	-0.299484	0.599926	0.473083
FBgn02643	14462692	CG43797	0	0	1	-0.299484	0.704856	0.555827
FBgn02645	14462858	CR43911	0	0	1	-0.299484	1.38341	1.09091
FBgn02658	19835684	CR44642	0	0	1	-0.299484	0.793341	0.625603
FBgn02637	14462484	Rpb4	0	0	1	-0.300509	10.129	8.09876
FBgn02670	19834789	asRNA:CR4	0	0	1	-0.301446	4.25277	3.39045
FBgn00367	40016	skl	0	0	1	-0.302026	1.40844	1.12123
FBgn00408	50344	CG12479	0	0	1	-0.302139	15.3976	12.2957
FBgn00406	50074	CG13643	0	0	1	-0.302468	1.01607	0.810147
FBgn02610	8673990	Sfp24Bc	0	0	1	-0.302468	8.64453	6.89254
FBgn02666	19835236	CG45154	0	0	1	-0.302527	12.1854	9.72945
FBgn00407	2768730	CG12158	0	0	1	-0.302651	16.9431	13.518
FBgn00295	3346142	CG13376	0	0	1	-0.303095	0.557992	0.440014
FBgn02607	37008	CG42562	0	0	1	-0.303095	5.71131	4.54925
FBgn02629	19835686	CR43285	0	0	1	-0.303095	2.45058	1.94559
FBgn02636	12797973	asRNA:CR4	0	0	1	-0.303095	0.834198	0.657821
FBgn02662	19835883	CR44938	0	0	1	-0.303095	0.933874	0.741433
FBgn02619	10178954	CG42798	0	0	1	-0.303684	6.01223	4.79044
FBgn02658	19835716	asRNA:CR4	0	0	1	-0.303684	4.08639	3.25596
FBgn00336	36300	OSCP1	0	0	1	-0.303826	2.41491	1.92281
FBgn00013	38012	Kr	0	0	1	-0.304057	0.491706	0.391057
FBgn00397	43546	CG15522	0	0	1	-0.304057	1.57054	1.24906
FBgn00049	4379905	asRNA:Eig6	0	0	1	-0.304502	2.33357	1.85738
FBgn00309	32907	CG7914	0	0	1	-0.304502	1.19817	0.950781
FBgn02659	19834852	CR44761	0	0	1	-0.305131	6.16074	4.90193

FBgn00273	33033	l(1)G0004	0	0	1	-0.305716	0.815272	0.642897
FBgn00347	37626	CG3649	0	0	1	-0.305716	0.49623	0.391311
FBgn02644	14462466	CR43848	0	0	1	-0.305716	1.18868	0.937354
FBgn02656	19835618	CR44430	0	0	1	-0.305716	1.04648	0.825224
FBgn00314	33442	Elba2	0	0	1	-0.306263	2.21633	1.76242
FBgn02661	19835962	asRNA:CR4	0	0	1	-0.306263	4.36074	3.47231
FBgn00010	32162	fw	0	0	1	-0.306774	1.09498	0.871245
FBgn00471	251711	CG31517	0	0	1	-0.307097	2.15129	1.70847
FBgn00299	31687	CG1402	0	0	1	-0.307705	1.88726	1.50144
FBgn02633	12798139	CR43422	0	0	1	-0.307705	1.31047	1.0334
FBgn00012	40246	in	0	0	1	-0.308372	1.56196	1.24126
FBgn00307	32643	CG13010	0	0	1	-0.308784	4.32819	3.43454
FBgn02643	14462597	CG43789	0	0	1	-0.308907	16.7073	13.267
FBgn02653	19834920	CR44320	0	0	1	-0.309265	0.922615	0.727544
FBgn00362	39369	CG6793	0	0	1	-0.309926	1.20967	0.958032
FBgn00854	37699	CG34424	0	0	1	-0.31005	5.95638	4.72897
FBgn02650	34295	ppk18	0	0	1	-0.310522	0.669232	0.527735
FBgn02663	19835369	asRNA:CR4	0	0	1	-0.310799	5.09737	4.04369
FBgn00350	37891	CG13578	0	0	1	-0.311557	1.43098	1.12843
FBgn02604	318559	spdo	0	0	1	-0.312423	0.639538	0.504319
FBgn02642	14462734	CR43766	0	0	1	-0.313159	3.23477	2.55084
FBgn00328	35349	Oseg5	0	0	1	-0.313487	1.17935	0.932838
FBgn00341	36849	DAT	0	0	1	-0.313591	1.51839	1.20216
FBgn00333	35880	MrgBP	0	0	1	-0.314591	9.20772	7.28984
FBgn00374	2768661	Fer1	0	0	1	-0.314591	2.39382	1.89272
FBgn00353	38292	CG13806	0	0	1	-0.315632	1.70389	1.34364
FBgn00537	3772436	CG33773	0	0	1	-0.316279	7.39977	5.8473
FBgn00350	37940	CG13594	0	0	1	-0.320305	2.41963	1.90805
FBgn00002	33669	Bsg25A	0	0	1	-0.322204	0.637577	0.497367
FBgn00034	41607	snk	0	0	1	-0.322204	0.368171	0.285234
FBgn00049	32857	phm	0	0	1	-0.322204	0.0378664	0.026542
FBgn00206	45017	Lcp65Af	0	0	1	-0.322204	0.160732	0.112665
FBgn00255	39857	CG4101	0	0	1	-0.322204	4.24574	3.33233
FBgn00257	2768974	ind	0	0	1	-0.322204	0.074085	0.05193

FBgn00296	31288	CG17959	0	0	1	-0.322204	0.399684	0.300169
FBgn00297	31378	CG12688	0	0	1	-0.322204	0.28012	0.215985
FBgn00300	31742	CG15336	0	0	1	-0.322204	0.110198	0.077243
FBgn00306	32501	CG15646	0	0	1	-0.322204	0.20406	0.157339
FBgn00310	32958	CG14210	0	0	1	-0.322204	2.10879	1.65003
FBgn00311	3772393	CG11566	0	0	1	-0.322204	0.607674	0.477268
FBgn00311	33142	CG17599	0	0	1	-0.322204	0.237528	0.183144
FBgn00317	33779	tomb	0	0	1	-0.322204	1.69633	1.32893
FBgn00322	34476	CG6431	0	0	1	-0.322204	0.0424961	0.029788
FBgn00323	34494	CG17134	0	0	1	-0.322204	0.0660489	0.046297
FBgn00332	35710	CG12826	0	0	1	-0.322204	2.59838	2.03881
FBgn00339	36600	Obp50e	0	0	1	-0.322204	0.405129	0.309791
FBgn00344	37226	CG10081	0	0	1	-0.322204	0.0710906	0.05339
FBgn00346	37518	CG13502	0	0	1	-0.322204	0.49117	0.383157
FBgn00353	38277	CG15820	0	0	1	-0.322204	0.0705154	0.049428
FBgn00357	38839	mthl6	0	0	1	-0.322204	0.0514619	0.036072
FBgn00364	39575	CG7906	0	0	1	-0.322204	0.144076	0.108203
FBgn00364	39648	CG16959	0	0	1	-0.322204	1.49224	1.17354
FBgn00368	40120	Cpr76Ba	0	0	1	-0.322204	0.106811	0.074869
FBgn00375	40891	Ir84a	0	0	1	-0.322204	0.043111	0.030219
FBgn00375	40991	Or85a	0	0	1	-0.322204	0.0698658	0.048972
FBgn00381	41661	CG9759	0	0	1	-0.322204	0.4487	0.350461
FBgn00389	42599	CG13407	0	0	1	-0.322204	0.0624867	0.0438
FBgn00397	43537	CG15517	0	0	1	-0.322204	0.158895	0.111377
FBgn00406	3772140	CG14246	0	0	1	-0.322204	3.07234	2.41252
FBgn00500	246453	CG30095	0	0	1	-0.322204	0.129333	0.090656
FBgn00502	37622	CG30265	0	0	1	-0.322204	0.0471032	0.033017
FBgn00516	318882	CG31681	0	0	1	-0.322204	0.556718	0.431308
FBgn00517	35079	CG31741	0	0	1	-0.322204	0.0407721	0.028579
FBgn00522	317918	CG32213	0	0	1	-0.322204	0.158593	0.111165
FBgn00525	318093	TwdlY	0	0	1	-0.322204	0.0806767	0.05655
FBgn00537	3772699	snmRNA:43	0	0	1	-0.322204	2.31722	1.62425
FBgn00537	3772649	snmRNA:43	0	0	1	-0.322204	2.31722	1.62425
FBgn00537	3772631	snmRNA:43	0	0	1	-0.322204	2.31722	1.62425

FBgn00537	3772311	CG33777	0	0	1	-0.322204	0.375041	0.281662
FBgn00539	3772720	CG33919	0	0	1	-0.322204	0.144826	0.101516
FBgn00580	10178799	CR40068	0	0	1	-0.322204	0.738822	0.564957
FBgn00625	260693	Or19b	0	0	1	-0.322204	0.0716665	0.050235
FBgn00641	318064	stg1	0	0	1	-0.322204	0.607674	0.477268
FBgn00650	3772495	snoRNA:Or	0	0	1	-0.322204	1.24507	0.872732
FBgn00829	5740246	snoRNA:Psi	0	0	1	-0.322204	0.595855	0.417664
FBgn00830	5740388	snoRNA:Psi	0	0	1	-0.322204	0.575309	0.403262
FBgn00830	5740617	snoRNA:Psi	0	0	1	-0.322204	0.600142	0.420669
FBgn00840	4379897	CG41434	0	0	1	-0.322204	0.771565	0.604454
FBgn00866	3771936	snoRNA:Psi	0	0	1	-0.322204	0.726291	0.545457
FBgn02592	32825	CG42323	0	0	1	-0.322204	0.0625805	0.043866
FBgn02592	7354375	lectin-22C	0	0	1	-0.322204	0.0973393	0.06823
FBgn02598	7354397	Su(Ste):CR4	0	0	1	-0.322204	0.0578099	0.040522
FBgn02599	31486	CG42449	0	0	1	-0.322204	0.0685454	0.048047
FBgn02606	319033	Rrp40	0	0	1	-0.322204	6.23019	4.90584
FBgn02618	19835759	CR42765	0	0	1	-0.322204	1.65515	1.29277
FBgn02632	12798189	CR43380	0	0	1	-0.322204	0.377465	0.264584
FBgn02653	19835297	CR44285	0	0	1	-0.322204	0.359568	0.252039
FBgn02655	19834916	CR44380	0	0	1	-0.322204	4.01566	3.15999
FBgn02655	19835329	CR44410	0	0	1	-0.322204	0.362695	0.254231
FBgn02657	19836142	CR44538	0	0	1	-0.322204	0.125443	0.087929
FBgn02657	19835917	CR44584	0	0	1	-0.322204	0.548299	0.411782
FBgn02658	19835990	CR44596	0	0	1	-0.322204	0.317955	0.243131
FBgn02658	19834956	CR44652	0	0	1	-0.322204	0.508939	0.389171
FBgn02659	19836173	CR44701	0	0	1	-0.322204	0.283741	0.198888
FBgn02659	19835197	CR44706	0	0	1	-0.322204	0.232367	0.162877
FBgn02659	19835283	CR44708	0	0	1	-0.322204	0.614026	0.461144
FBgn02659	19835872	CR44718	0	0	1	-0.322204	0.570519	0.443373
FBgn02659	19834857	CR44727	0	0	1	-0.322204	0.206997	0.145094
FBgn02661	19835881	CR44893	0	0	1	-0.322204	0.172355	0.120812
FBgn02662	19835190	CR44913	0	0	1	-0.322204	0.530371	0.398318
FBgn02663	19835295	CR45032	0	0	1	-0.322204	0.460651	0.352247
FBgn02667	19836038	CR45242	0	0	1	-0.322204	0.0956649	0.067056

FBgn02669	19835413	CR45390	0	0	1	-0.322204	1.98162	1.54584
FBgn02670	19835767	CR45475	0	0	1	-0.322204	0.469027	0.352247
FBgn02671	19834786	CR45559	0	0	1	-0.322204	0.561234	0.42916
FBgn02671	19835638	CR45577	0	0	1	-0.322204	0.751529	0.582235
FBgn02671	19835070	CR45595	0	0	1	-0.322204	0.178247	0.124942
FBgn02672	19834912	CR45641	0	0	1	-0.322204	0.122676	0.08599
FBgn02672	19836005	CR45702	0	0	1	-0.322204	0.583355	0.449792
FBgn02674	26067117	CR45779	0	0	1	-0.322204	0.295366	0.221825
FBgn02674	26067167	5.8SrRNA:C	0	0	1	-0.322204	5.19961	4.04082
FBgn02675	26067180	5.8SrRNA:C	0	0	1	-0.322204	6.10388	4.7539
FBgn02675	26067226	CR45898	0	0	1	-0.322204	0.239025	0.167544
FBgn02676	26067340	CR46019	0	0	1	-0.322204	0.724816	0.554247
FBgn02677	26067419	CR46102	0	0	1	-0.322204	0.125822	0.088195
FBgn00361	39264	CG14141	0	0	1	-0.326119	4.49325	3.52387
FBgn00308	32719	CG8664	0	0	1	-0.327275	1.66379	1.30271
FBgn02592	32033	CG42339	0	0	1	-0.327498	1.84901	1.45001
FBgn02625	41806	VhaPPA1-2	0	0	1	-0.32801	3.39307	2.65391
FBgn00318	33892	CG9507	0	0	1	-0.328747	2.84004	2.22599
FBgn00369	40245	Toll-9	0	0	1	-0.328993	1.68911	1.3236
FBgn02653	19835420	CR44281	0	0	1	-0.3294	3.04351	2.37577
FBgn00421	59145	CG18754	0	0	1	-0.329858	2.01731	1.57806
FBgn00536	3772423	CG33673	0	0	1	-0.330666	3.93752	3.07753
FBgn00285	34814	NimB4	0	0	1	-0.332473	1.74967	1.3649
FBgn02630	12798222	CR43357	0	0	1	-0.332773	6.39881	4.99643
FBgn00337	36417	Balat	0	0	1	-0.333981	1.15682	0.900971
FBgn02632	31929	CG43386	0	0	1	-0.334588	1.27295	0.990773
FBgn02638	14462688	CR43704	0	0	1	-0.334588	1.99745	1.54749
FBgn00025	45328	sens	0	0	1	-0.335028	1.27064	0.990057
FBgn00525	32933	CG32533	0	0	1	-0.33526	1.13544	0.885216
FBgn02665	19835281	CR45103	0	0	1	-0.33526	3.35517	2.60954
FBgn02666	19834774	CR45166	0	0	1	-0.33526	1.96694	1.52982
FBgn00325	34991	Trpgamma	0	0	1	-0.3357	0.930371	0.725417
FBgn02655	19835406	CR44376	0	0	1	-0.336559	4.63443	3.60584
FBgn02643	5740629	CG43795	0	0	1	-0.33698	1.0762	0.838732

FBgn00351	38136	Psf1	0	0	1	-0.337311	5.10323	3.97143
FBgn02669	19835728	CR45419	0	0	1	-0.337311	5.70507	4.43979
FBgn02677	26067400	CR46083	0	0	1	-0.337801	3.01815	2.341
FBgn02675	26067193	asRNA:CR4	0	0	1	-0.338883	4.83224	3.7437
FBgn00526	326230	Rab9Fa	0	0	1	-0.339278	2.68169	2.08113
FBgn02617	10178776	asRNA:CR4	0	0	1	-0.340923	7.22249	5.61105
FBgn00394	43259	Cpr97Eb	0	0	1	-0.341263	3.32413	2.57969
FBgn00532	2768987	ppk5	0	0	1	-0.341569	0.911386	0.704023
FBgn00397	43629	CG9698	0	0	1	-0.343266	2.53941	1.96913
FBgn02638	14462681	snRNA:LU	0	0	1	-0.343266	3.84745	2.94204
FBgn02676	26067271	asRNA:CR4	0	0	1	-0.343266	1.23585	0.945018
FBgn00335	36082	CG12910	0	0	1	-0.343737	1.86979	1.44974
FBgn00322	34480	Dpy-30L1	0	0	1	-0.345288	3.52358	2.72279
FBgn00367	40020	AstC-R1	0	0	1	-0.345537	1.77611	1.37548
FBgn00440	117414	mRpS14	0	0	1	-0.346051	2.09334	1.61406
FBgn02675	26067210	asRNA:CR4	0	0	1	-0.34621	8.3795	6.48726
FBgn00303	32193	CG15927	0	0	1	-0.347739	0.524103	0.397984
FBgn00829	5740135	snoRNA:Psi	0	0	1	-0.347739	3.33679	2.53383
FBgn02621	10178911	CG42870	0	0	1	-0.347739	9.9741	7.70636
FBgn02625	12798019	CR43097	0	0	1	-0.347739	2.69944	2.08473
FBgn02630	12798460	CG43330	0	0	1	-0.347739	0.901835	0.684819
FBgn02673	19836252	CR45743	0	0	1	-0.347739	1.73206	1.32893
FBgn00295	31100	CG14778	0	0	1	-0.349171	5.28067	4.0768
FBgn00030	37662	Fib	0	0	1	-0.349309	4.13512	3.19428
FBgn02629	19835286	CR43289	0	0	1	-0.349685	4.78789	3.67877
FBgn02669	19835401	CR45438	0	0	1	-0.350773	9.29955	7.16391
FBgn00006	32762	e(y)1	0	0	1	-0.352966	3.88402	2.99128
FBgn02674	26067049	CG45781	0	0	1	-0.353774	1.72873	1.33055
FBgn02633	12798316	CR43416	0	0	1	-0.35697	2.05284	1.56975
FBgn00502	246530	CG30287	0	0	1	-0.357828	2.35846	1.80623
FBgn00133	35767	Odc2	0	0	1	-0.358273	2.34645	1.79846
FBgn00396	43496	Obp99d	0	0	1	-0.358863	5.11641	3.91769
FBgn00328	35244	CG13082	0	0	1	-0.359679	0.528241	0.399891
FBgn02626	32092	CG43155	0	0	1	-0.359679	0.394532	0.29867

FBgn00395	43348	BCAS2	0	0	1	-0.360678	4.16961	3.19366
FBgn00301	31954	Ipod	0	0	1	-0.362846	0.67436	0.512921
FBgn00854	31471	CG34435	0	0	1	-0.362846	2.43692	1.861
FBgn02651	14462650	CR44219	0	0	1	-0.363343	6.085	4.65303
FBgn00362	39352	CG5883	0	0	1	-0.363545	1.40731	1.0715
FBgn00412	117339	Gr94a	0	0	1	-0.363545	2.67767	2.04535
FBgn02673	19835463	asRNA:CR4	0	0	1	-0.364212	9.54459	7.2924
FBgn02643	14462412	asRNA:CR4	0	0	1	-0.364374	1.19214	0.908745
FBgn02620	10178934	CG42828	0	0	1	-0.365654	11.2171	8.56611
FBgn00045	42452	Oct-TyrR	0	0	1	-0.366598	1.40468	1.07195
FBgn00137	38202	Bro	0	0	1	-0.366598	0.373744	0.275075
FBgn00144	31786	Cp7Fc	0	0	1	-0.366598	0.245641	0.180791
FBgn00391	42916	CG13615	0	0	1	-0.366598	0.781221	0.590377
FBgn00504	246630	Ir52c	0	0	1	-0.366598	0.154481	0.113698
FBgn00611	10178789	Yu	0	0	1	-0.366598	7.76879	5.92699
FBgn02617	19835508	CR42736	0	0	1	-0.366598	0.513037	0.377593
FBgn02633	12798225	CR43431	0	0	1	-0.366598	0.287371	0.215821
FBgn02644	39464	CG43894	0	0	1	-0.366598	0.132098	0.097224
FBgn02649	14462543	CR44126	0	0	1	-0.366598	0.327522	0.241055
FBgn02655	19834967	CR44419	0	0	1	-0.366598	1.48055	1.11887
FBgn02659	19835318	CR44729	0	0	1	-0.366598	0.378836	0.278822
FBgn02660	19835172	CR44817	0	0	1	-0.366598	2.80677	2.12754
FBgn02662	19836161	CR44918	0	0	1	-0.366598	1.17677	0.893592
FBgn02662	19835737	CR44963	0	0	1	-0.366598	2.41552	1.83097
FBgn02662	19835179	CR44965	0	0	1	-0.366598	0.529649	0.38982
FBgn02667	19835159	CR45243	0	0	1	-0.366598	1.37397	1.03188
FBgn02668	19835505	asRNA:CR4	0	0	1	-0.366598	2.80647	2.13677
FBgn02677	26067385	asRNA:CR4	0	0	1	-0.366598	1.45985	1.09637
FBgn02677	26067433	CR46116	0	0	1	-0.366598	0.850354	0.625858
FBgn00399	43843	fd102C	0	0	1	-0.36814	1.38794	1.05674
FBgn00540	3885611	NimB3	0	0	1	-0.369272	7.99589	6.08571
FBgn00378	41292	Desi	0	0	1	-0.36951	1.68776	1.28001
FBgn02639	14462874	CR43727	0	0	1	-0.370139	1.22929	0.930605
FBgn00326	35080	CG15153	0	0	1	-0.371114	0.82343	0.621581

FBgn02634	12798260	CR43457	0	0	1	-0.371114	3.07212	2.31904
FBgn00514	326144	ATPsynepsi	0	0	1	-0.37157	6.1288	4.65397
FBgn00650	3772112	snoRNA:M	0	0	1	-0.372289	48.6615	36.9517
FBgn00324	34639	CG17211	0	0	1	-0.37283	0.776148	0.589377
FBgn00537	3771958	CG33783	0	0	1	-0.37283	4.83104	3.66195
FBgn02667	19835857	asRNA:CR4	0	0	1	-0.37283	0.627891	0.471557
FBgn02613	5740142	Gpa2	0	0	1	-0.374672	7.24538	5.49042
FBgn00336	36194	Cpr47Ef	0	0	1	-0.374946	1.63196	1.23703
FBgn00322	34482	Vha16-5	0	0	1	-0.376011	6.59687	5.00045
FBgn00381	41633	wntD	0	0	1	-0.376652	0.412129	0.305875
FBgn02630	12798006	CG43362	0	0	1	-0.376652	3.10995	2.30815
FBgn02676	26067338	CR46017	0	0	1	-0.377796	3.29967	2.4936
FBgn02630	12798125	CG43308	0	0	1	-0.378472	3.42586	2.58146
FBgn00374	40856	CG14610	0	0	1	-0.380103	8.67262	6.55399
FBgn00011	33841	H2.0	0	0	1	-0.381098	0.401539	0.29905
FBgn00325	34811	CG16885	0	0	1	-0.381098	0.500644	0.372859
FBgn00409	50374	CG17777	0	0	1	-0.381098	3.02601	2.27873
FBgn00517	318937	CG31780	0	0	1	-0.381098	2.79378	2.10944
FBgn02679	26067523	CR46212	0	0	1	-0.381098	0.981409	0.730913
FBgn02675	26067252	asRNA:CR4	0	0	1	-0.383605	1.08565	0.81008
FBgn02673	19835498	CR45753	0	0	1	-0.385214	1.32247	0.987967
FBgn02637	14462512	CG43694	0	0	1	-0.386335	5.91215	4.44012
FBgn02663	19834971	CR45010	0	0	1	-0.386335	7.85838	5.90178
FBgn02675	26067258	CR45931	0	0	1	-0.38716	2.3704	1.77336
FBgn00290	44127	mab-21	0	0	1	-0.387388	2.20369	1.65702
FBgn02656	19834936	CR44506	0	0	1	-0.387793	0.329303	0.246474
FBgn02662	19835584	CR44924	0	0	1	-0.388293	1.4394	1.07774
FBgn02672	19835144	CR45652	0	0	1	-0.3887	3.19164	2.39041
FBgn00403	50365	CG3713	0	0	1	-0.389949	3.04267	2.28086
FBgn00374	40751	CG1077	0	0	1	-0.390768	1.89645	1.42245
FBgn00033	33701	Sgs1	0	0	1	-0.392593	0.682845	0.510714
FBgn00041	3772474	snRNA:U1:9	0	0	1	-0.392593	1.01731	0.713086
FBgn00303	32198	Cpr11A	0	0	1	-0.392593	0.125822	0.088195
FBgn00308	32800	Hesr	0	0	1	-0.392593	0.271726	0.190466

FBgn00317	33844	CG9109	0	0	1	-0.392593	0.513259	0.380932
FBgn00328	35245	CG13081	0	0	1	-0.392593	0.20421	0.143141
FBgn00334	36036	CG12133	0	0	1	-0.392593	0.330426	0.24052
FBgn00341	36817	CG9068	0	0	1	-0.392593	0.0981231	0.071425
FBgn00368	40121	Cpr76Bb	0	0	1	-0.392593	0.216394	0.151681
FBgn00375	41001	CG7963	0	0	1	-0.392593	0.156071	0.109398
FBgn00382	41765	CG14852	0	0	1	-0.392593	0.615819	0.44826
FBgn00384	41964	CG8927	0	0	1	-0.392593	3.19374	2.39281
FBgn00532	2768896	Ste:CG332	0	0	1	-0.392593	0.274859	0.192662
FBgn00532	10178863	CR33283	0	0	1	-0.392593	0.22607	0.158463
FBgn00633	3771802	snoRNA:U3	0	0	1	-0.392593	11.2056	8.29095
FBgn00855	26067090	CR40601	0	0	1	-0.392593	0.242852	0.170227
FBgn00860	5740521	snoRNA:Or	0	0	1	-0.392593	1.81347	1.27115
FBgn02634	12798497	snoRNA:CG	0	0	1	-0.392593	1.13496	0.795551
FBgn02643	14462591	CG43829	0	0	1	-0.392593	10.0204	7.50667
FBgn02645	14462828	CR43917	0	0	1	-0.392593	1.37972	1.00431
FBgn02648	14462357	CR44028	0	0	1	-0.392593	2.4118	1.78999
FBgn02648	14462695	CR44058	0	0	1	-0.392593	0.604978	0.447618
FBgn02654	19836255	CR44348	0	0	1	-0.392593	0.664496	0.483692
FBgn02661	19835187	CR44858	0	0	1	-0.392593	2.12411	1.58364
FBgn02662	19835616	CR44904	0	0	1	-0.392593	3.19347	2.37495
FBgn02663	19835770	CR44974	0	0	1	-0.392593	0.243206	0.170475
FBgn02665	19836211	CR45119	0	0	1	-0.392593	0.395354	0.277123
FBgn02672	19834938	CR45703	0	0	1	-0.392593	0.575309	0.403262
FBgn02672	19835304	CR45720	0	0	1	-0.392593	0.447938	0.326058
FBgn02679	26067514	CR46203	0	0	1	-0.392593	1.15682	0.855922
FBgn02679	26067535	CR46224	0	0	1	-0.392593	2.26993	1.67066
FBgn00852	5740257	CR34262	0	0	1	-0.395268	2.63301	1.96635
FBgn02610	8674048	Sfp36F	0	0	1	-0.395453	10.9475	8.17241
FBgn02630	12798010	let-7-C	0	0	1	-0.396751	1.56689	1.16994
FBgn00351	38060	CG1231	0	0	1	-0.398153	1.1409	0.846753
FBgn00285	34822	hll	0	0	1	-0.39902	0.554619	0.410848
FBgn02654	19836253	CG44341	0	0	1	-0.399563	2.4103	1.79251
FBgn00155	35942	unpg	0	0	1	-0.400207	0.608783	0.449792

FBgn00393	43133	CG5948	0	0	1	-0.400207	2.19295	1.62937
FBgn02659	19834875	CR44696	0	0	1	-0.400981	5.14103	3.82718
FBgn00363	39511	CG10140	0	0	1	-0.401931	1.75047	1.29739
FBgn02675	26067251	CR45923	0	0	1	-0.403124	1.10085	0.814507
FBgn02645	14462916	CR43941	0	0	1	-0.403592	1.60423	1.18935
FBgn00035	43466	stg	0	0	1	-0.404666	0.426537	0.314884
FBgn00400	53564	retinin	0	0	1	-0.404666	2.47402	1.83186
FBgn02662	19835130	CR44912	0	0	1	-0.404666	1.5708	1.15962
FBgn00407	50267	CG13056	0	0	1	-0.40562	6.08701	4.50911
FBgn00331	35624	Tsp42En	0	0	1	-0.406738	2.55837	1.89618
FBgn02666	19835557	CR45158	0	0	1	-0.40786	6.12766	4.53922
FBgn00530	318840	CG33062	0	0	1	-0.408361	2.51531	1.85998
FBgn00353	38370	Cht7	0	0	1	-0.408564	0.759704	0.562098
FBgn00347	37527	CG11269	0	0	1	-0.409667	3.46716	2.55181
FBgn00347	37605	Obp59a	0	0	1	-0.409667	0.907633	0.665123
FBgn02656	19835410	CR44483	0	0	1	-0.409667	1.59309	1.16743
FBgn02669	19835336	CR45391	0	0	1	-0.409667	0.765758	0.553531
FBgn00347	37593	CG3746	0	0	1	-0.413058	2.8128	2.07022
FBgn00299	31679	CG15478	0	0	1	-0.414127	0.362029	0.263524
FBgn02644	14462877	CR43874	0	0	1	-0.41477	4.12341	3.03852
FBgn02651	14462460	CR44234	0	0	1	-0.41618	3.4638	2.52911
FBgn02653	19836002	CR44278	0	0	1	-0.41618	2.29596	1.67641
FBgn00159	32459	dah	0	0	1	-0.42174	0.460883	0.335481
FBgn00352	38211	CG12011	0	0	1	-0.42174	0.145162	0.101751
FBgn00412	117343	Gr59d	0	0	1	-0.42174	0.21335	0.149547
FBgn00503	246575	CG30375	0	0	1	-0.42174	0.377645	0.271676
FBgn00536	3772326	CR33629	0	0	1	-0.42174	0.46865	0.3285
FBgn00829	5740763	snoRNA:Psi	0	0	1	-0.42174	1.82671	1.28043
FBgn02628	19835858	CR43234	0	0	1	-0.42174	0.135715	0.09513
FBgn02643	14462710	CR43801	0	0	1	-0.42174	0.45835	0.32128
FBgn02675	26067206	CR45878	0	0	1	-0.42174	1.28816	0.934074
FBgn02676	26067285	CR45958	0	0	1	-0.42174	0.542862	0.380519
FBgn00340	36702	Hr51	0	0	1	-0.425015	0.825279	0.601805
FBgn00512	41010	CG31259	0	0	1	-0.425298	1.29779	0.949237

FBgn00318	33925	DIP-iota	0	0	1	-0.427999	0.670543	0.484705
FBgn00336	36229	CG13203	0	0	1	-0.429588	0.899591	0.65482
FBgn00650	3771788	snmRNA:64	0	0	1	-0.430729	10.3686	7.43301
FBgn02657	19836081	CR44511	0	0	1	-0.430729	1.13496	0.813632
FBgn02659	19835228	CR44759	0	0	1	-0.430729	0.649411	0.465549
FBgn02662	19834861	CR44914	0	0	1	-0.430729	0.480932	0.34477
FBgn02671	19834784	CR45592	0	0	1	-0.430729	2.07371	1.4866
FBgn00011	31227	gt	0	0	1	-0.431829	1.26536	0.9198
FBgn02649	14462400	CR44110	0	0	1	-0.433235	1.56468	1.1281
FBgn00650	3772263	snmRNA:35	0	0	1	-0.433915	68.6986	49.874
FBgn00308	32693	CG8945	0	0	1	-0.434414	0.306409	0.221489
FBgn02638	14462505	CR43697	0	0	1	-0.434414	2.64825	1.9143
FBgn02653	19835943	CR44324	0	0	1	-0.435098	5.65324	4.10761
FBgn00311	33034	Syx16	0	0	1	-0.437681	2.51604	1.82443
FBgn00500	246438	CG30076	0	0	1	-0.437681	0.182438	0.12788
FBgn00853	41934	CG34276	0	0	1	-0.437681	0.183441	0.128583
FBgn02645	14462894	CR43945	0	0	1	-0.437681	0.871225	0.610684
FBgn02648	14462498	CR44033	0	0	1	-0.437681	0.355356	0.249086
FBgn02653	19836106	CR44322	0	0	1	-0.437681	0.518135	0.363186
FBgn02658	19835002	CR44595	0	0	1	-0.437681	0.290408	0.203561
FBgn02658	19835132	CR44687	0	0	1	-0.437681	1.57006	1.12949
FBgn02659	19836120	CR44772	0	0	1	-0.437681	1.40793	0.986886
FBgn02665	19835171	CR45096	0	0	1	-0.437681	0.802113	0.562241
FBgn02670	19836169	CR45474	0	0	1	-0.437681	1.55171	1.10942
FBgn02670	19835712	CR45480	0	0	1	-0.437681	1.35774	0.970743
FBgn02672	19835258	CG45676	0	0	1	-0.437681	0.811871	0.56908
FBgn02672	19836257	CR45697	0	0	1	-0.437681	1.04536	0.747399
FBgn02676	26067329	CR46008	0	0	1	-0.437681	0.440791	0.308972
FBgn02678	26067448	CR46132	0	0	1	-0.437681	0.488549	0.342448
FBgn00277	31098	O-fut2	0	0	1	-0.440599	0.918945	0.662026
FBgn00310	32964	CG14212	0	0	1	-0.441503	1.27098	0.912622
FBgn02661	19834945	CR44861	0	0	1	-0.44322	1.35642	0.967759
FBgn02676	26067298	CR45971	0	0	1	-0.44322	0.661499	0.471957
FBgn00383	41897	AOX4	0	0	1	-0.444195	0.529718	0.381478

FBgn00392	43023	dan	0	0	1	-0.444823	0.308339	0.221042
FBgn00500	246419	CG30053	0	0	1	-0.444823	1.12453	0.806154
FBgn02644	14462508	CR43846	0	0	1	-0.444823	1.7064	1.22328
FBgn02653	19835452	CR44311	0	0	1	-0.444823	11.1559	8.05317
FBgn00235	31207	Or2a	0	0	1	-0.447735	0.329202	0.230754
FBgn00338	36509	link	0	0	1	-0.447735	0.29921	0.209731
FBgn00468	170878	Obp83g	0	0	1	-0.447735	0.733038	0.513823
FBgn02658	19835148	CR44672	0	0	1	-0.447735	5.75058	4.13291
FBgn02673	19835084	CR45757	0	0	1	-0.447735	1.27944	0.896825
FBgn00361	39269	Ir68a	0	0	1	-0.44906	1.11545	0.80182
FBgn02647	14462439	CR44017	0	0	1	-0.450309	2.31336	1.65398
FBgn00362	39362	CG6938	0	0	1	-0.451487	0.222662	0.15837
FBgn00853	5740825	CG34305	0	0	1	-0.451487	3.15141	2.24147
FBgn02648	14462667	CR44066	0	0	1	-0.451487	0.949221	0.67514
FBgn00362	39405	CG4328	0	0	1	-0.452601	0.748856	0.534814
FBgn00389	42611	CG5391	0	0	1	-0.457364	1.42233	1.00944
FBgn00398	43680	CG15554	0	0	1	-0.459708	0.729012	0.511
FBgn02645	14462905	CR43940	0	0	1	-0.459708	2.09193	1.4889
FBgn00326	35059	CG15142	0	0	1	-0.46356	1.76264	1.24813
FBgn00352	38214	CG7991	0	0	1	-0.46356	0.454035	0.322556
FBgn00387	42415	Ir92a	0	0	1	-0.46356	0.327618	0.229644
FBgn02671	19835475	CR45547	0	0	1	-0.465162	2.31722	1.63987
FBgn02618	10178957	CG42751	0	0	1	-0.466594	7.31405	5.19606
FBgn02656	19835100	CR44470	0	0	1	-0.466594	0.738228	0.51746
FBgn02676	26067288	CR45961	0	0	1	-0.466594	1.40859	0.987349
FBgn02636	14462569	CR43651	0	0	1	-0.470103	1.62226	1.14601
FBgn02636	14462556	CG43646	0	0	1	-0.471068	2.06671	1.44866
FBgn02651	14462647	CR44222	0	0	1	-0.471951	1.63568	1.15472
FBgn02677	26067365	CR46046	0	0	1	-0.474851	3.58513	2.52831
FBgn02648	14462530	CR44041	0	0	1	-0.47545	3.36689	2.3739
FBgn02664	19835490	CG45063	0	0	1	-0.476532	1.46009	1.02345
FBgn02664	19834910	CR45047	0	0	1	-0.478323	3.45045	2.41859
FBgn02663	19834795	CG45012	0	0	1	-0.483027	8.12327	5.694
FBgn00404	53580	Dlip1	0	0	1	-0.483359	3.24544	2.27489

FBgn02677	26067428	CR46111	0	0	1	-0.484224	3.82075	2.67815
FBgn02651	14462510	CR44225	0	0	1	-0.485703	7.01484	4.91705
FBgn00009	31263	fs(1)Ya	0	0	1	-0.492129	0.136856	0.091569
FBgn00012	38432	ImpE2	0	0	1	-0.492129	0.0325604	0.017117
FBgn00039	3772634	snRNA:U5:	0	0	1	-0.492129	0.437899	0.230209
FBgn00039	3771995	snRNA:U5:	0	0	1	-0.492129	0.45214	0.237695
FBgn00041	3772462	snRNA:U1:	0	0	1	-0.492129	0.847762	0.534814
FBgn00119	3772214	tRNA:Asn-	0	0	1	-0.492129	0.751529	0.395088
FBgn00137	19893545	mt:tRNA:A	0	0	1	-0.492129	2.13897	1.34938
FBgn00295	31067	CG11381	0	0	1	-0.492129	0.0346932	0.018239
FBgn00304	32291	dmrt11E	0	0	1	-0.492129	0.23859	0.159638
FBgn00308	32781	CG12672	0	0	1	-0.492129	0.178873	0.119682
FBgn00309	32837	Xrcc2	0	0	1	-0.492129	0.196513	0.129137
FBgn00309	32892	CG7406	0	0	1	-0.492129	0.0684891	0.036006
FBgn00310	32949	CG14218	0	0	1	-0.492129	0.0884996	0.05583
FBgn00313	33310	CG14342	0	0	1	-0.492129	0.381387	0.255181
FBgn00319	34006	CG13786	0	0	1	-0.492129	0.216344	0.147186
FBgn00325	34760	CG16956	0	0	1	-0.492129	0.0754588	0.03967
FBgn00326	5740546	CG15140	0	0	1	-0.492129	0.109821	0.069281
FBgn00335	36088	Obp46a	0	0	1	-0.492129	0.512349	0.342807
FBgn00335	36169	CG13231	0	0	1	-0.492129	0.196652	0.124059
FBgn00336	36257	Ir48c	0	0	1	-0.492129	0.0329853	0.017341
FBgn00336	36265	Twdlbeta	0	0	1	-0.492129	0.077672	0.040833
FBgn00343	37095	CG18538	0	0	1	-0.492129	0.709093	0.479287
FBgn00352	38209	RabX5	0	0	1	-0.492129	0.241272	0.158549
FBgn00353	38295	yellow-g2	0	0	1	-0.492129	0.0388632	0.020431
FBgn00355	38547	CG12607	0	0	1	-0.492129	0.0555576	0.029207
FBgn00355	38557	CG13720	0	0	1	-0.492129	0.0338074	0.017773
FBgn00358	38919	CG13679	0	0	1	-0.492129	0.113728	0.059788
FBgn00361	39248	CG12522	0	0	1	-0.492129	0.111673	0.058708
FBgn00363	39472	CG11263	0	0	1	-0.492129	0.913831	0.631399
FBgn00363	39510	CG10725	0	0	1	-0.492129	0.349169	0.233625
FBgn00363	39545	CG17362	0	0	1	-0.492129	0.0984304	0.051746
FBgn00365	39676	CG13454	0	0	1	-0.492129	0.106132	0.055795

FBgn00367	39927	CG13724	0	0	1	-0.492129	0.0841095	0.053061
FBgn00371	40418	CG14568	0	0	1	-0.492129	0.0815442	0.042869
FBgn00376	10178810	CR16735	0	0	1	-0.492129	0.0488263	0.025669
FBgn00381	41630	CG15888	0	0	1	-0.492129	0.0505574	0.026579
FBgn00386	42252	CG14302	0	0	1	-0.492129	1.08851	0.728312
FBgn00391	42911	CG13614	0	0	1	-0.492129	0.0531167	0.027924
FBgn00391	42912	CG17782	0	0	1	-0.492129	0.0374752	0.019701
FBgn00392	42917	CG13616	0	0	1	-0.492129	1.18326	0.816445
FBgn00421	59233	CG13713	0	0	1	-0.492129	0.121426	0.063835
FBgn00435	35859	PGRP-SC1a	0	0	1	-0.492129	0.0945802	0.049722
FBgn00440	39152	Ilp4	0	0	1	-0.492129	0.0691706	0.036364
FBgn00440	39149	Ilp1	0	0	1	-0.492129	0.35254	0.231668
FBgn00454	117471	Gr93c	0	0	1	-0.492129	0.0465772	0.024486
FBgn00504	36716	Ir52d	0	0	1	-0.492129	0.0778896	0.049137
FBgn00519	3771849	tRNA:Arg-T	0	0	1	-0.492129	0.761824	0.4005
FBgn00521	19835082	CR32111	0	0	1	-0.492129	0.570638	0.398119
FBgn00526	318158	Gr9a	0	0	1	-0.492129	0.0542039	0.028496
FBgn00527	31280	CG32793	0	0	1	-0.492129	0.0206971	0.010881
FBgn00535	3772204	tRNA:Leu-T	0	0	1	-0.492129	0.662062	0.348054
FBgn00537	3772390	CG33700	0	0	1	-0.492129	0.0498326	0.026198
FBgn00538	3772409	His1:CG338	0	0	1	-0.492129	0.135907	0.085738
FBgn00650	3772686	scaRNA:Me	0	0	1	-0.492129	0.50102	0.263392
FBgn00829	5740191	snoRNA:Psi	0	0	1	-0.492129	0.370754	0.19491
FBgn00829	5740305	snoRNA:Psi	0	0	1	-0.492129	0.370754	0.19491
FBgn00830	5740160	snoRNA:Psi	0	0	1	-0.492129	0.388903	0.204451
FBgn00830	5740519	snoRNA:Psi	0	0	1	-0.492129	0.375765	0.197544
FBgn00830	5740137	snoRNA:Psi	0	0	1	-0.492129	0.40892	0.214974
FBgn00830	5740767	snoRNA:Psi	0	0	1	-0.492129	0.415024	0.218183
FBgn00852	5740423	CG34184	0	0	1	-0.492129	0.194452	0.122671
FBgn00852	5740480	CG34247	0	0	1	-0.492129	0.157544	0.082823
FBgn00855	5740117	CG41242	0	0	1	-0.492129	0.115141	0.060531
FBgn00860	5740200	snoRNA:Me	0	0	1	-0.492129	0.741509	0.38982
FBgn00866	3772387	snoRNA:Psi	0	0	1	-0.492129	1.62374	1.06703
FBgn00869	5740359	spok	0	0	1	-0.492129	0.078683	0.049638

FBgn02591	31504	CG42264	0	0	1	-0.492129	0.0266474	0.014009
FBgn02598	7354458	Su(Ste):CR4	0	0	1	-0.492129	0.0329072	0.0173
FBgn02616	10178820	CG42704	0	0	1	-0.492129	0.111004	0.058356
FBgn02620	10178785	CG42832	0	0	1	-0.492129	0.220687	0.116018
FBgn02628	12798420	CG43244	0	0	1	-0.492129	0.127846	0.06721
FBgn02629	12798218	CG43294	0	0	1	-0.492129	0.898436	0.614014
FBgn02632	12798188	CR43379	0	0	1	-0.492129	0.157992	0.083058
FBgn02632	12798190	CR43381	0	0	1	-0.492129	0.157992	0.083058
FBgn02637	19835611	CR43681	0	0	1	-0.492129	0.657872	0.458454
FBgn02638	14462613	CG43711	0	0	1	-0.492129	0.0448855	0.023597
FBgn02638	14462351	snoRNA:CD	0	0	1	-0.492129	3.22395	2.11859
FBgn02643	14462796	CR43817	0	0	1	-0.492129	0.0888389	0.046704
FBgn02644	14462677	CR43852	0	0	1	-0.492129	1.21378	0.812125
FBgn02646	14462417	CR43962	0	0	1	-0.492129	0.179978	0.094617
FBgn02646	14462914	CR43967	0	0	1	-0.492129	0.226993	0.119333
FBgn02648	14462384	CR44084	0	0	1	-0.492129	0.137998	0.072547
FBgn02649	14462674	CG44139	0	0	1	-0.492129	3.63188	2.50599
FBgn02656	19835699	CR44487	0	0	1	-0.492129	0.936063	0.636835
FBgn02656	19834730	CR44503	0	0	1	-0.492129	0.813754	0.563444
FBgn02657	19834856	CR44514	0	0	1	-0.492129	0.14115	0.074204
FBgn02657	19835599	CR44516	0	0	1	-0.492129	0.570391	0.374827
FBgn02657	19835426	CR44567	0	0	1	-0.492129	0.500118	0.315502
FBgn02657	19835589	CR44579	0	0	1	-0.492129	0.708038	0.47374
FBgn02658	19835921	CR44657	0	0	1	-0.492129	0.0222809	0.011713
FBgn02659	19834732	CR44757	0	0	1	-0.492129	2.17725	1.50434
FBgn02659	19835663	CR44773	0	0	1	-0.492129	0.722249	0.474619
FBgn02660	19835763	CR44788	0	0	1	-0.492129	0.166009	0.087273
FBgn02662	19834968	CR44957	0	0	1	-0.492129	1.77138	1.23443
FBgn02662	19834749	CR44966	0	0	1	-0.492129	0.0684049	0.035961
FBgn02666	19835862	CR45127	0	0	1	-0.492129	0.0472499	0.02484
FBgn02666	19835698	CR45170	0	0	1	-0.492129	0.788596	0.540749
FBgn02667	19835137	CR45239	0	0	1	-0.492129	0.0937828	0.049303
FBgn02668	19835419	CR45287	0	0	1	-0.492129	0.193774	0.101869
FBgn02668	19836040	CR45289	0	0	1	-0.492129	0.235649	0.14866

FBgn02668	19834766	CR45299	0	0	1	-0.492129	0.126681	0.066598
FBgn02668	19835421	CR45354	0	0	1	-0.492129	0.128734	0.067677
FBgn02669	19835959	CR45377	0	0	1	-0.492129	0.192767	0.126675
FBgn02669	19835942	CR45388	0	0	1	-0.492129	0.011345	0.005964
FBgn02669	19834858	CR45398	0	0	1	-0.492129	0.134331	0.07062
FBgn02669	19834790	CR45401	0	0	1	-0.492129	0.337459	0.212887
FBgn02669	19834841	CR45427	0	0	1	-0.492129	0.118326	0.062205
FBgn02670	19835395	CR45447	0	0	1	-0.492129	0.182338	0.095857
FBgn02670	19835598	CR45500	0	0	1	-0.492129	0.0672469	0.035353
FBgn02671	19835334	CR45583	0	0	1	-0.492129	0.338354	0.226389
FBgn02671	19835079	CR45623	0	0	1	-0.492129	0.14635	0.076938
FBgn02671	19835781	CR45633	0	0	1	-0.492129	0.185377	0.097455
FBgn02672	19834792	CR45646	0	0	1	-0.492129	0.257946	0.162726
FBgn02673	19835183	CR45754	0	0	1	-0.492129	0.124414	0.065406
FBgn02674	26067118	CR45780	0	0	1	-0.492129	0.0797893	0.041946
FBgn02676	26067315	CR45994	0	0	1	-0.492129	0.215221	0.135773
FBgn02676	26067332	CR46011	0	0	1	-0.492129	0.174664	0.110188
FBgn02678	26067487	CR46173	0	0	1	-0.492129	0.0805988	0.042372
FBgn02679	26067509	CR46198	0	0	1	-0.492129	0.0965506	0.050758
FBgn02679	26067531	CR46220	0	0	1	-0.492129	0.246076	0.155238
FBgn02679	26067556	asRNA:CR4	0	0	1	-0.492129	0.046152	0.024263
FBgn02834	26067583	CR46274	0	0	1	-0.492129	0.150713	0.079232
FBgn02675	26067259	CR45932	0	0	1	-0.498702	2.81684	1.95635
FBgn02633	12798042	CR43435	0	0	1	-0.50327	2.12873	1.46882
FBgn02667	19834811	CR45251	0	0	1	-0.50327	5.0992	3.51843
FBgn02661	19834829	CR44845	0	0	1	-0.504408	1.66095	1.14417
FBgn02620	10178916	CG42822	0	0	1	-0.505804	5.05137	3.49017
FBgn00407	50224	CG13018	0	0	1	-0.506629	7.26346	5.01418
FBgn02676	26067337	CR46016	0	0	1	-0.506629	1.25232	0.859897
FBgn00031	44849	pnr	0	0	1	-0.508617	0.274176	0.187714
FBgn02647	14462353	CR44023	0	0	1	-0.512888	0.57229	0.389348
FBgn00525	318085	CG32551	0	0	1	-0.513824	4.66981	3.19891
FBgn00374	40756	Osi2	0	0	1	-0.514849	0.495405	0.336052
FBgn02596	5740633	nvd	0	0	1	-0.516377	1.43716	0.984737

FBgn00372	40618	CG12590	0	0	1	-0.51722	0.603554	0.407951
FBgn02658	19834870	CR44594	0	0	1	-0.525296	5.16408	3.50838
FBgn00398	43753	Ir100a	0	0	1	-0.532771	0.813327	0.548588
FBgn02650	14462559	CR44200	0	0	1	-0.533352	6.4882	4.38548
FBgn00008	32159	gd	0	0	1	-0.535198	0.196774	0.129308
FBgn00103	33240	Gsc	0	0	1	-0.535198	0.172177	0.113144
FBgn00289	36413	Or49b	0	0	1	-0.535198	0.25584	0.168123
FBgn00382	41734	CG14840	0	0	1	-0.535198	2.32182	1.56936
FBgn02667	19835289	CR45200	0	0	1	-0.535198	0.662062	0.435067
FBgn02674	26067121	CR45790	0	0	1	-0.535198	0.511385	0.336052
FBgn02651	19835403	CR44206	0	0	1	-0.539435	0.361437	0.240682
FBgn02676	26067333	asRNA:CR4	0	0	1	-0.539435	1.40912	0.938334
FBgn02653	19835967	asRNA:CR4	0	0	1	-0.541039	3.46598	2.31904
FBgn00344	37222	CG10051	0	0	1	-0.542402	0.723293	0.485867
FBgn02659	19835855	CR44721	0	0	1	-0.544597	0.730274	0.472509
FBgn02628	12798223	CG43230	0	0	1	-0.547624	1.80969	1.20752
FBgn00384	41996	CG10405	0	0	1	-0.548713	1.13741	0.755303
FBgn02607	8674079	CR42546	0	0	1	-0.549615	2.30806	1.54079
FBgn00516	318842	CG31606	0	0	1	-0.554286	3.30455	2.20333
FBgn00302	32076	CG11752	0	0	1	-0.559243	4.4304	2.94204
FBgn00346	37490	CG4372	0	0	1	-0.559243	0.232886	0.146917
FBgn00365	39792	CG13045	0	0	1	-0.559243	0.494026	0.321552
FBgn00368	40114	CG12519	0	0	1	-0.559243	0.463443	0.292365
FBgn00371	40408	Cpr78E	0	0	1	-0.559243	1.26121	0.820895
FBgn00538	3772517	His3:CG338	0	0	1	-0.559243	0.525644	0.331605
FBgn00854	5740612	CG34451	0	0	1	-0.559243	0.394286	0.256634
FBgn02638	14462687	CG43703	0	0	1	-0.559243	2.79815	1.83877
FBgn02651	14462646	CR44220	0	0	1	-0.559243	0.695165	0.438548
FBgn02657	19836224	CR44530	0	0	1	-0.559243	0.929838	0.605214
FBgn02676	26067276	CR45949	0	0	1	-0.559243	0.263629	0.171591
FBgn02677	26067423	CR46106	0	0	1	-0.559243	0.65099	0.423718
FBgn00205	36863	Amyrel	0	0	1	-0.562031	1.31045	0.868224
FBgn00852	5740216	CG34244	0	0	1	-0.564279	1.34169	0.88168
FBgn02636	12798020	CR43620	0	0	1	-0.568365	2.08161	1.37199

FBgn00317	12798573	CR9162	0	0	1	-0.570132	0.40397	0.259565
FBgn02644	14462718	CR43857	0	0	1	-0.570132	0.383539	0.246438
FBgn02656	19834866	asRNA:CR4	0	0	1	-0.577018	1.17883	0.765544
FBgn00101	34553	Gyc32E	0	0	1	-0.580356	0.419449	0.273736
FBgn00306	32477	CG15641	0	0	1	-0.585239	0.471298	0.283162
FBgn00310	32914	CG7884	0	0	1	-0.585239	0.105328	0.066447
FBgn00338	36503	CG13331	0	0	1	-0.585239	0.137851	0.082823
FBgn00361	39318	Dnai2	0	0	1	-0.585239	0.457297	0.294692
FBgn00404	50281	BobA	0	0	1	-0.585239	0.31044	0.186517
FBgn00515	3772567	tRNA:Ala-A	0	0	1	-0.585239	2.66638	1.602
FBgn00539	3772334	CG33928	0	0	1	-0.585239	0.358464	0.21537
FBgn02598	7354386	Su(Ste):CR4	0	0	1	-0.585239	0.143544	0.086243
FBgn02620	3885578	CG42823	0	0	1	-0.585239	1.69686	1.09349
FBgn02633	12798158	CG43438	0	0	1	-0.585239	0.651717	0.411138
FBgn02643	14462792	CR43819	0	0	1	-0.585239	1.81768	1.17922
FBgn02657	19835732	CR44562	0	0	1	-0.585239	0.746152	0.470713
FBgn02670	19834854	CR45527	0	0	1	-0.585239	0.536215	0.322165
FBgn02672	19834918	CR45669	0	0	1	-0.585239	0.188732	0.119063
FBgn02672	19835601	CR45731	0	0	1	-0.585239	0.627891	0.377245
FBgn02674	26067164	2SrRNA:CR	0	0	1	-0.585239	6.4882	3.8982
FBgn02679	26067541	CR46230	0	0	1	-0.585239	0.347582	0.208832
FBgn02676	26067310	CR45983	0	0	1	-0.593058	2.77296	1.78173
FBgn02655	19834735	asRNA:CR4	0	0	1	-0.597482	6.92691	4.47391
FBgn00155	39935	tap	0	0	1	-0.599044	0.261095	0.164713
FBgn02628	12798481	CR43186	0	0	1	-0.599044	1.92255	1.23257
FBgn02649	31336	fd3F	0	0	1	-0.599044	0.379139	0.24307
FBgn02662	19836036	asRNA:CR4	0	0	1	-0.599044	0.422592	0.266594
FBgn00312	33169	CG13694	0	0	1	-0.600505	1.85542	1.19651
FBgn02621	12798348	CG42878	0	0	1	-0.601064	4.41634	2.83766
FBgn00412	117338	Gr97a	0	0	1	-0.602312	0.699937	0.446018
FBgn02671	19835740	CR45557	0	0	1	-0.602312	0.0835109	0.053215
FBgn00532	2768873	Ste:CG332	0	0	1	-0.607606	1.05771	0.673113
FBgn02650	14462550	CR44164	0	0	1	-0.607606	0.55706	0.341662
FBgn02657	19835260	CR44570	0	0	1	-0.607606	0.832117	0.510363

FBgn02671	19835746	CR45586	0	0	1	-0.61766	0.621172	0.384185
FBgn00388	42513	CG5810	0	0	1	-0.620862	0.803659	0.506991
FBgn00046	32367	yl	0	0	1	-0.623374	0.0963226	0.059845
FBgn02669	19834747	CR45435	0	0	1	-0.632992	1.46167	0.914784
FBgn00006	39566	Fbp1	0	0	1	-0.644132	0.0321	0.016875
FBgn00025	35819	Lcp3	0	0	1	-0.644132	0.152365	0.0801
FBgn00037	44873	Gr5a	0	0	1	-0.644132	0.447891	0.274705
FBgn00322	34467	CG17107	0	0	1	-0.644132	0.177394	0.093258
FBgn00325	2768923	CG18636	0	0	1	-0.644132	0.10084	0.053013
FBgn00357	38837	CG8543	0	0	1	-0.644132	0.138859	0.073
FBgn00359	39038	Doc2	0	0	1	-0.644132	0.343115	0.210443
FBgn00361	39227	CG14147	0	0	1	-0.644132	0.146158	0.076837
FBgn00366	2768967	CG13028	0	0	1	-0.644132	0.149699	0.078699
FBgn00366	39894	CG13023	0	0	1	-0.644132	0.301154	0.184707
FBgn00369	40211	CG7290	0	0	1	-0.644132	0.0667225	0.035077
FBgn00370	40392	CG7173	0	0	1	-0.644132	0.0456033	0.023974
FBgn00375	40984	CG11693	0	0	1	-0.644132	0.131854	0.077019
FBgn00412	117342	CG32395	0	0	1	-0.644132	0.224247	0.130988
FBgn00500	246417	CG30050	0	0	1	-0.644132	0.373521	0.218183
FBgn00532	2768900	Ste:CG3324	0	0	1	-0.644132	0.183239	0.096331
FBgn00537	3772066	snmRNA:43	0	0	1	-0.644132	3.08962	1.62425
FBgn00538	3771959	His3:CG338	0	0	1	-0.644132	0.47308	0.276338
FBgn00538	3772173	His3:CG338	0	0	1	-0.644132	0.47308	0.276338
FBgn00830	5740107	snoRNA:Psi	0	0	1	-0.644132	0.736598	0.387239
FBgn00830	5740683	snoRNA:Psi	0	0	1	-0.644132	0.788839	0.414702
FBgn00830	5740786	snoRNA:Psi	0	0	1	-0.644132	0.811871	0.42681
FBgn00852	5740860	CG34251	0	0	1	-0.644132	0.0872363	0.045861
FBgn00853	37498	ppk9	0	0	1	-0.644132	0.0615871	0.032377
FBgn00860	5740110	snoRNA:Me	0	0	1	-0.644132	0.868956	0.45682
FBgn02598	7354457	Su(Ste):CR4	0	0	1	-0.644132	0.0830667	0.043669
FBgn02600	5740863	snoRNA:Me	0	0	1	-0.644132	14.0839	8.73298
FBgn02626	12798151	CG43133	0	0	1	-0.644132	0.462586	0.270208
FBgn02636	12798575	CR43626	0	0	1	-0.644132	0.0215346	0.011321
FBgn02639	14462593	asRNA:CR4	0	0	1	-0.644132	0.242852	0.12767

FBgn02648	14462660	CG44072	0	0	1	-0.644132	0.314199	0.165178
FBgn02658	19835486	CR44628	0	0	1	-0.644132	0.201863	0.106122
FBgn02658	19835251	CR44630	0	0	1	-0.644132	0.185069	0.097293
FBgn02659	19834762	CR44711	0	0	1	-0.644132	0.143703	0.075547
FBgn02659	19836076	CR44722	0	0	1	-0.644132	0.774796	0.452578
FBgn02659	19836098	CR44736	0	0	1	-0.644132	1.06074	0.637308
FBgn02663	19835259	CR45038	0	0	1	-0.644132	0.275313	0.144735
FBgn02666	19835216	CR45168	0	0	1	-0.644132	0.334013	0.175595
FBgn02668	19835054	CR45293	0	0	1	-0.644132	0.436182	0.229306
FBgn02671	19834724	CR45594	0	0	1	-0.644132	0.219381	0.115331
FBgn02673	19835246	CR45756	0	0	1	-0.644132	0.953655	0.580508
FBgn02673	26067107	CR45761	0	0	1	-0.644132	0.358795	0.215569
FBgn02679	26067517	CR46206	0	0	1	-0.644132	0.238569	0.139354
FBgn02679	26067559	CR46249	0	0	1	-0.644132	0.838611	0.510479
FBgn02834	26067584	acal	0	0	1	-0.644132	0.047614	0.025031
FBgn00312	33217	BBS8	0	0	1	-0.652594	0.689318	0.427094
FBgn02659	19835274	CR44734	0	0	1	-0.659239	2.67703	1.63434
FBgn02644	14462833	CR43881	0	0	1	-0.660527	2.99774	1.84766
FBgn02635	12797960	CR43498	0	0	1	-0.662054	1.27733	0.774819
FBgn02672	19835906	CR45677	0	0	1	-0.662054	1.57854	0.957528
FBgn00206	37367	Rx	0	0	1	-0.666159	0.178738	0.107388
FBgn02671	19835351	CR45581	0	0	1	-0.666159	1.32713	0.797359
FBgn00032	43234	ro	0	0	1	-0.669007	0.851451	0.518294
FBgn00412	117347	Gr39b	0	0	1	-0.672701	0.400816	0.237053
FBgn02619	10178946	CG42792	0	0	1	-0.672701	0.950652	0.562241
FBgn02646	19834717	CR43961	0	0	1	-0.672701	0.158273	0.093607
FBgn02677	26067404	CR46087	0	0	1	-0.675841	1.83744	1.11622
FBgn02653	19836074	CR44316	0	0	1	-0.677685	2.9717	1.78544
FBgn00086	45396	E5	0	0	1	-0.684774	0.144143	0.082667
FBgn00356	38660	CG13287	0	0	1	-0.684774	0.171165	0.098164
FBgn00385	42191	CG18599	0	0	1	-0.684774	0.165605	0.094975
FBgn00538	3772149	His3:CG338	0	0	1	-0.684774	0.578209	0.331605
FBgn00538	3772163	His3:CG338	0	0	1	-0.684774	0.578209	0.331605
FBgn00860	5740268	snoRNA:Mo	0	0	1	-0.684774	9.13645	5.42964

FBgn02643	14462714	CG43799	0	0	1	-0.684774	0.358164	0.205409
FBgn02653	19836073	CR44294	0	0	1	-0.684774	1.58698	0.943113
FBgn02671	19835914	CR45554	0	0	1	-0.684774	0.349169	0.20025
FBgn02671	19835794	CR45561	0	0	1	-0.684774	0.499792	0.286632
FBgn00034	318579	spn-D	0	0	1	-0.691438	0.813058	0.484426
FBgn02657	19836242	CR44554	0	0	1	-0.695663	1.10734	0.646825
FBgn02659	19835689	CR44735	0	0	1	-0.695663	2.56569	1.53109
FBgn02654	19835424	CR44349	0	0	1	-0.705533	1.33718	0.793099
FBgn00003	38998	Cp18	0	0	1	-0.714522	0.257072	0.135146
FBgn00318	33886	ppk7	0	0	1	-0.714522	0.0968871	0.050935
FBgn00372	40537	TwdlV	0	0	1	-0.714522	0.156363	0.082202
FBgn00390	42705	CG13840	0	0	1	-0.714522	0.0983724	0.051716
FBgn00500	5740197	CR30029	0	0	1	-0.714522	0.303345	0.159472
FBgn00517	3772639	His-Psi:CR3	0	0	1	-0.714522	0.550625	0.28947
FBgn00829	5740717	snoRNA:M	0	0	1	-0.714522	2.22453	1.16946
FBgn00829	5740601	snoRNA:M	0	0	1	-0.714522	1.6684	0.877095
FBgn00829	5740647	snoRNA:Psi	0	0	1	-0.714522	2.67767	1.51597
FBgn00857	5740225	CR41504	0	0	1	-0.714522	0.211457	0.111165
FBgn02638	14462743	CR43721	0	0	1	-0.714522	0.583355	0.306677
FBgn02650	14462807	CR44187	0	0	1	-0.714522	0.610463	0.35302
FBgn02658	19834756	CR44620	0	0	1	-0.714522	1.10885	0.627778
FBgn02669	19834949	CR45385	0	0	1	-0.714522	0.27853	0.146427
FBgn00387	42333	Cpr92A	0	0	1	-0.726594	0.719992	0.417664
FBgn02634	12798275	CG43447	0	0	1	-0.728197	2.70776	1.58775
FBgn00374	40762	Osi8	0	0	1	-0.737242	0.759475	0.437904
FBgn00412	117348	Gr28a	0	0	1	-0.737242	0.294353	0.165061
FBgn02677	26067360	CR46041	0	0	1	-0.737242	0.834198	0.467784
FBgn02625	12798282	CG43124	0	0	1	-0.743668	0.851222	0.484789
FBgn02673	19836031	lncRNA:TS1	0	0	1	-0.743668	1.1526	0.656433
FBgn00322	34469	CG7296	0	0	1	-0.746702	0.973083	0.558067
FBgn02655	19836059	CR44411	0	0	1	-0.749625	2.73771	1.58035
FBgn00369	40199	CG14187	0	0	1	-0.755164	0.45214	0.237695
FBgn00531	318891	CG33124	0	0	1	-0.755164	0.106233	0.055848
FBgn00860	5740674	snoRNA:Or	0	0	1	-0.755164	9.26886	5.24758

FBgn02657	19834932	CR44540	0	0	1	-0.755164	0.283741	0.149166
FBgn02659	19836194	CR44740	0	0	1	-0.755164	0.488907	0.257024
FBgn02670	19835360	CR45519	0	0	1	-0.755164	0.297795	0.156554
FBgn02672	19835106	CR45675	0	0	1	-0.755164	1.08669	0.604893
FBgn02679	26067539	CR46228	0	0	1	-0.755164	0.650446	0.341947
FBgn02669	19834877	CR45361	0	0	1	-0.765148	0.24717	0.139221
FBgn02676	26067284	CR45957	0	0	1	-0.766989	1.94282	1.10648
FBgn00364	39638	CG13460	0	0	1	-0.769663	0.780392	0.431854
FBgn02656	19835396	CR44481	0	0	1	-0.769663	0.926886	0.512921
FBgn02657	19834953	CR44537	0	0	1	-0.769663	0.444718	0.246099
FBgn00854	5740549	CG34446	0	0	1	-0.7739	2.38342	1.33653
FBgn00538	3771723	His3:CG338	0	0	1	-0.781636	0.525644	0.276338
FBgn00538	3771729	His3:CG338	0	0	1	-0.781636	0.525644	0.276338
FBgn02648	14462657	CR44061	0	0	1	-0.781636	0.855587	0.449792
FBgn02649	14462377	CR44117	0	0	1	-0.781636	2.079	1.16126
FBgn02661	19835020	CR44855	0	0	1	-0.781636	0.481083	0.252911
FBgn02670	19835629	CR45452	0	0	1	-0.781636	0.601874	0.316412
FBgn02671	19835053	CR45573	0	0	1	-0.781636	0.08176	0.042982
FBgn00395	43308	CG12885	0	0	1	-0.786872	0.395354	0.221699
FBgn02670	19835482	CR45449	0	0	1	-0.788522	1.45674	0.810874
FBgn00048	42537	bap	0	0	1	-0.794692	0.690847	0.383363
FBgn00304	32252	CG12715	0	0	1	-0.800251	0.158367	0.083255
FBgn00384	42054	CG4009	0	0	1	-0.800251	0.150713	0.079232
FBgn00402	40770	Osi14	0	0	1	-0.800251	0.305847	0.160787
FBgn02647	14462846	CR43990	0	0	1	-0.800251	2.24342	1.24147
FBgn02668	19836192	CR45270	0	0	1	-0.800251	0.679535	0.371529
FBgn02669	19836222	CR45418	0	0	1	-0.800251	0.711469	0.374028
FBgn02672	19834781	CR45735	0	0	1	-0.800251	0.422379	0.222049
FBgn00854	5740179	CG34437	0	0	1	-0.807631	0.857052	0.46725
FBgn00368	40115	CG18294	0	0	1	-0.814057	0.767835	0.40366
FBgn00379	41477	CG4830	0	0	1	-0.814057	0.209184	0.109971
FBgn00396	43487	ppk30	0	0	1	-0.814057	0.205975	0.108283
FBgn02643	14462587	CR43811	0	0	1	-0.814057	0.664321	0.349242
FBgn02647	14462619	CR43983	0	0	1	-0.814057	0.806391	0.438548

FBgn02654	19836236	CR44338	0	0	1	-0.814057	1.43434	0.788323
FBgn02658	19835577	CR44681	0	0	1	-0.814057	0.837188	0.440119
FBgn02677	26067427	CR46110	0	0	1	-0.819704	1.18407	0.642561
FBgn00510	43135	CG31089	0	0	1	-0.824705	0.651717	0.352998
FBgn02676	26067307	CR45980	0	0	1	-0.824705	0.904279	0.47539
FBgn00407	50191	CG15353	0	0	1	-0.833166	1.43005	0.751796
FBgn02675	26067243	CR45915	0	0	1	-0.833166	1.16944	0.614786
FBgn02677	26067366	asRNA:CR4	0	0	1	-0.833166	0.94737	0.511504
FBgn02633	12798216	CR43411	0	0	1	-0.836777	2.97928	1.6064
FBgn00309	32801	Him	0	0	1	-0.840052	0.604491	0.317788
FBgn00383	41884	CG6118	0	0	1	-0.840052	0.244703	0.131781
FBgn02659	19835101	CR44695	0	0	1	-0.858257	1.94646	1.02328
FBgn00136	19893543	mt:tRNA:Al	0	0	1	-0.866525	14.545	7.64647
FBgn00006	36039	eve	0	0	1	-0.907167	0.0197771	0
FBgn00026	43157	E(spl)m4-B	0	0	1	-0.907167	0.0366358	0
FBgn00030	31303	Pig1	0	0	1	-0.907167	0.0402994	0
FBgn00032	35110	amos	0	0	1	-0.907167	0.0353773	0
FBgn00033	39285	Sgs8	0	0	1	-0.907167	0.0774557	0
FBgn00036	47208	term	0	0	1	-0.907167	0.0189289	0
FBgn00039	3772048	snRNA:U2:	0	0	1	-0.907167	0.145584	0
FBgn00039	3772228	snRNA:U5:	0	0	1	-0.907167	0.636792	0.223179
FBgn00041	3772330	snRNA:U6:	0	0	1	-0.907167	1.81912	0.819715
FBgn00043	43687	bnk	0	0	1	-0.907167	0.189344	0.085321
FBgn00045	39706	Eig71Ee	0	0	1	-0.907167	0.0187124	0
FBgn00118	3772068	tRNA:Asp-(	0	0	1	-0.907167	0.386203	0
FBgn00118	3772079	tRNA:Glu-C	0	0	1	-0.907167	0.386203	0
FBgn00118	3772161	tRNA:Lys-C	0	0	1	-0.907167	0.380912	0
FBgn00119	3772233	tRNA:Ser-A	0	0	1	-0.907167	0.339105	0
FBgn00120	3771919	tRNA:Tyr-G	0	0	1	-0.907167	0.380912	0
FBgn00137	19893527	mt:tRNA:G	0	0	1	-0.907167	2.82096	1.27115
FBgn00206	38707	Lcp65Ad	0	0	1	-0.907167	0.0451406	0
FBgn00253	31102	CG14780	0	0	1	-0.907167	0.179895	0.081062
FBgn00263	36212	Or47b	0	0	1	-0.907167	0.201985	0.094387
FBgn00285	34923	CG18478	0	0	1	-0.907167	0.0878103	0.030775

FBgn00288	3885605	CR15280	0	0	1	-0.907167	0.0229997	0
FBgn00296	31286	CG14422	0	0	1	-0.907167	0.026533	0
FBgn00296	31287	CG14423	0	0	1	-0.907167	0.11713	0.049261
FBgn00299	31626	mAChR-C	0	0	1	-0.907167	0.205467	0.096015
FBgn00299	12797942	CR4575	0	0	1	-0.907167	0.110198	0.038622
FBgn00305	32362	CG11581	0	0	1	-0.907167	0.0181268	0
FBgn00307	32580	CG12507	0	0	1	-0.907167	0.0761129	0.026676
FBgn00310	33010	fd19B	0	0	1	-0.907167	0.0283451	0
FBgn00318	33887	ppk14	0	0	1	-0.907167	0.0917709	0.038596
FBgn00328	3885658	CR9337	0	0	1	-0.907167	0.208624	0.094008
FBgn00334	35958	Or45a	0	0	1	-0.907167	0.00803426	0
FBgn00337	36350	Or49a	0	0	1	-0.907167	0.0233473	0
FBgn00337	36352	Cpr49Af	0	0	1	-0.907167	0.026332	0
FBgn00341	36843	CG15712	0	0	1	-0.907167	0.0423236	0
FBgn00344	37210	AANATL5	0	0	1	-0.907167	0.0415644	0
FBgn00344	37212	AANATL6	0	0	1	-0.907167	0.0274497	0
FBgn00344	37213	AANATL4	0	0	1	-0.907167	0.261621	0.117889
FBgn00345	37354	CG15225	0	0	1	-0.907167	0.0341604	0
FBgn00349	37759	CG12491	0	0	1	-0.907167	0.0479424	0
FBgn00349	37760	CG11300	0	0	1	-0.907167	0.0478599	0
FBgn00352	38212	CG13931	0	0	1	-0.907167	0.130793	0.055008
FBgn00353	3771832	CR15821	0	0	1	-0.907167	0.0272347	0
FBgn00354	38465	CG10853	0	0	1	-0.907167	0.14187	0.049722
FBgn00360	39109	Or67a	0	0	1	-0.907167	0.167174	0.07812
FBgn00360	39110	Ir67a	0	0	1	-0.907167	0.0158442	0
FBgn00361	39223	Cpr67Fa1	0	0	1	-0.907167	0.0501924	0
FBgn00361	39256	CG14143	0	0	1	-0.907167	0.168866	0.059183
FBgn00365	39790	CG13047	0	0	1	-0.907167	0.0435158	0
FBgn00366	39814	Cpr72Ea	0	0	1	-0.907167	0.0726653	0.025467
FBgn00367	39974	CG6034	0	0	1	-0.907167	0.247096	0.121241
FBgn00368	40041	CG6885	0	0	1	-0.907167	0.0688282	0.024123
FBgn00371	40425	CG14564	0	0	1	-0.907167	0.0937301	0.03285
FBgn00371	40467	CG11449	0	0	1	-0.907167	0.0171964	0
FBgn00371	40482	CG14454	0	0	1	-0.907167	0.0325223	0

FBgn00374	40764	Osi10	0	0	1	-0.907167	0.0160639	0
FBgn00374	40765	Osi11	0	0	1	-0.907167	0.0714822	0.025053
FBgn00376	41093	CG11997	0	0	1	-0.907167	0.0547015	0.019172
FBgn00381	41631	CG15887	0	0	1	-0.907167	0.161104	0.067756
FBgn00384	42073	CG5255	0	0	1	-0.907167	0.273807	0.12795
FBgn00385	42121	CG14323	0	0	1	-0.907167	0.030423	0
FBgn00385	42161	CG14317	0	0	1	-0.907167	0.0181032	0
FBgn00385	42195	CG14312	0	0	1	-0.907167	0.84433	0.414283
FBgn00389	42609	CG7080	0	0	1	-0.907167	0.0236049	0
FBgn00390	42704	CG7031	0	0	1	-0.907167	0.0107072	0
FBgn00397	43623	PH4alphaS	0	0	1	-0.907167	0.413051	0.20846
FBgn00397	43642	Spn100A	0	0	1	-0.907167	0.231949	0.114765
FBgn00412	42568	Gr93a	0	0	1	-0.907167	0.134239	0.060489
FBgn00416	318013	Or65c	0	0	1	-0.907167	0.0676559	0.023712
FBgn00417	38294	yellow-g	0	0	1	-0.907167	0.144826	0.06526
FBgn00454	117487	Gr36b	0	0	1	-0.907167	0.0234655	0
FBgn00468	117327	Gr98b	0	0	1	-0.907167	0.0229427	0
FBgn00502	3772194	tRNA:Ala-C	0	0	1	-0.907167	0.386203	0
FBgn00502	3772446	tRNA:His-G	0	0	1	-0.907167	0.386203	0
FBgn00502	3772309	tRNA:Gln-C	0	0	1	-0.907167	0.386203	0
FBgn00513	3772121	tRNA:Leu-T	0	0	1	-0.907167	0.347582	0
FBgn00514	318727	Ir94c	0	0	1	-0.907167	0.0153204	0
FBgn00516	318847	His3:CG316	0	0	1	-0.907167	0.47308	0.22107
FBgn00522	38584	CG32237	0	0	1	-0.907167	0.00943236	0
FBgn00522	38393	CG32277	0	0	1	-0.907167	0.163568	0.068792
FBgn00525	12798210	CR32511	0	0	1	-0.907167	0.0766022	0
FBgn00525	32706	CG32563	0	0	1	-0.907167	0.0490416	0
FBgn00525	318092	TwdlZ	0	0	1	-0.907167	0.0402411	0
FBgn00526	318150	CG32679	0	0	1	-0.907167	0.0943662	0.033073
FBgn00534	2768851	CG33453	0	0	1	-0.907167	0.0449945	0
FBgn00534	2768840	CG33461	0	0	1	-0.907167	0.0321835	0
FBgn00534	3885587	CG33465	0	0	1	-0.907167	0.29361	0.145275
FBgn00534	2768724	CG33475	0	0	1	-0.907167	0.0626274	0
FBgn00534	2768727	CG33476	0	0	1	-0.907167	0.0558365	0

FBgn00535	3772429	tRNA:Trp-C	0	0	1	-0.907167	0.386203	0
FBgn00536	3772219	CG33627	0	0	1	-0.907167	0.0503742	0
FBgn00536	3771733	CG33642	0	0	1	-0.907167	0.0396105	0
FBgn00536	3772524	CG33658	0	0	1	-0.907167	0.0509278	0
FBgn00537	3771994	snmRNA:43	0	0	1	-0.907167	3.86203	1.62425
FBgn00537	3772380	CG33766	0	0	1	-0.907167	0.0517814	0
FBgn00537	3772047	CG33767	0	0	1	-0.907167	0.0490416	0
FBgn00537	3772499	CG33769	0	0	1	-0.907167	0.0514937	0
FBgn00537	3772256	CG33770	0	0	1	-0.907167	0.0498326	0
FBgn00537	3772111	CG33792	0	0	1	-0.907167	0.943291	0.474339
FBgn00537	3771914	CG33796	0	0	1	-0.907167	0.0514937	0
FBgn00538	3772489	His3:CG338	0	0	1	-0.907167	0.47308	0.22107
FBgn00538	3772518	His3:CG338	0	0	1	-0.907167	0.578209	0.276338
FBgn00538	3772189	His3:CG338	0	0	1	-0.907167	0.578209	0.276338
FBgn00539	3771945	CG33922	0	0	1	-0.907167	0.0517814	0
FBgn00602	3772653	snoRNA:U4	0	0	1	-0.907167	0.331031	0
FBgn00633	3772579	snoRNA:U1	0	0	1	-0.907167	1.02987	0.360945
FBgn00650	3772633	snRNA:7SK	0	0	1	-0.907167	0.563647	0.263392
FBgn00830	5740698	snoRNA:Psi	0	0	1	-0.907167	0.215555	0
FBgn00830	5740871	snoRNA:Psi	0	0	1	-0.907167	0.595855	0.208832
FBgn00830	5740508	snoRNA:Psi	0	0	1	-0.907167	0.207512	0
FBgn00830	5740326	snoRNA:Psi	0	0	1	-0.907167	0.600142	0.210335
FBgn00839	4379881	CG34105	0	0	1	-0.907167	0.0484435	0
FBgn00852	5740437	CG34196	0	0	1	-0.907167	0.0545227	0
FBgn00852	5740574	CG34221	0	0	1	-0.907167	0.0716049	0.025096
FBgn00853	50039	CG34281	0	0	1	-0.907167	0.186205	0.06526
FBgn00854	5740580	CG34443	0	0	1	-0.907167	0.0351982	0
FBgn00855	12798485	CR40719	0	0	1	-0.907167	0.19177	0.06721
FBgn00860	5740666	snoRNA:Me	0	0	1	-0.907167	0.370754	0
FBgn00860	5740785	snoRNA:Or	0	0	1	-0.907167	0.415024	0
FBgn00866	59159	Lcp65Ag3	0	0	1	-0.907167	0.358464	0.161528
FBgn00866	3771962	snoRNA:Psi	0	0	1	-0.907167	0.198618	0
FBgn02591	7354417	Ir7e	0	0	1	-0.907167	0.0152198	0
FBgn02598	7354450	Su(Ste):CR4	0	0	1	-0.907167	0.0284612	0

FBgn02598	7354464	Su(Ste):CR4	0	0	1	-0.907167	0.261378	0.12684
FBgn02606	8673985	CG42538	0	0	1	-0.907167	0.102987	0
FBgn02607	8674002	CG42544	0	0	1	-0.907167	0.0766022	0
FBgn02616	10178890	CG42713	0	0	1	-0.907167	0.0412561	0
FBgn02619	19835125	CR42791	0	0	1	-0.907167	0.339105	0.142617
FBgn02619	10178894	CG42809	0	0	1	-0.907167	0.0481917	0
FBgn02623	12798056	CG43060	0	0	1	-0.907167	0.116248	0.048891
FBgn02628	12797992	CG43221	0	0	1	-0.907167	0.461247	0.207842
FBgn02628	12798297	Diedel2	0	0	1	-0.907167	0.0735624	0
FBgn02629	12798065	CR43302	0	0	1	-0.907167	0.0709352	0
FBgn02632	12798574	CG43389	0	0	1	-0.907167	0.0301263	0
FBgn02634	12798398	snoRNA:lol	0	0	1	-0.907167	0.172712	0
FBgn02634	12798400	snoRNA:lol	0	0	1	-0.907167	0.20446	0
FBgn02636	14462793	CG43645	0	0	1	-0.907167	0.461247	0.207842
FBgn02638	14462826	CR43701	0	0	1	-0.907167	0.298996	0
FBgn02645	14462900	CG43938	0	0	1	-0.907167	0.0561371	0.019675
FBgn02646	14462841	CR43953	0	0	1	-0.907167	0.12488	0.043767
FBgn02647	14462620	CG43982	0	0	1	-0.907167	0.039667	0
FBgn02648	14462496	CR44089	0	0	1	-0.907167	0.237663	0.083295
FBgn02649	14462501	CR44096	0	0	1	-0.907167	0.45835	0.214187
FBgn02649	14462676	CR44113	0	0	1	-0.907167	0.0817841	0
FBgn02649	14462379	CR44118	0	0	1	-0.907167	1.62422	0.819715
FBgn02649	14462723	CR44120	0	0	1	-0.907167	0.690234	0.311027
FBgn02650	35904	Np	0	0	1	-0.907167	0.00662851	0
FBgn02650	19835025	CR44202	0	0	1	-0.907167	0.0643671	0
FBgn02651	19834951	CR44258	0	0	1	-0.907167	0.0448493	0
FBgn02656	19836225	CR44446	0	0	1	-0.907167	0.0555022	0
FBgn02656	19835059	CR44450	0	0	1	-0.907167	0.0923807	0
FBgn02656	19835161	CR44451	0	0	1	-0.907167	0.0264573	0
FBgn02656	19835392	CG44475	0	0	1	-0.907167	0.0810688	0
FBgn02657	19835733	CR44513	0	0	1	-0.907167	0.0629108	0
FBgn02657	19835233	CR44543	0	0	1	-0.907167	0.0753566	0
FBgn02658	19835151	CR44603	0	0	1	-0.907167	0.0798166	0.039962
FBgn02658	19835560	CR44604	0	0	1	-0.907167	0.117327	0

FBgn02658	19834771	CR44618	0	0	1	-0.907167	0.209703	0.088195
FBgn02658	19835714	CR44626	0	0	1	-0.907167	0.079221	0
FBgn02658	19835003	CR44679	0	0	1	-0.907167	0.0266858	0
FBgn02659	19835924	CR44739	0	0	1	-0.907167	0.0298674	0
FBgn02659	19835875	CR44753	0	0	1	-0.907167	0.0280875	0
FBgn02659	19836042	CR44769	0	0	1	-0.907167	0.0726021	0
FBgn02660	19835400	CR44787	0	0	1	-0.907167	0.0759743	0
FBgn02661	19835925	CR44863	0	0	1	-0.907167	0.201985	0.070791
FBgn02661	19836010	CR44885	0	0	1	-0.907167	0.0449218	0
FBgn02662	19835971	CR44928	0	0	1	-0.907167	0.181505	0.076336
FBgn02662	19835947	CR44941	0	0	1	-0.907167	0.120375	0.042188
FBgn02664	19835571	CG45079	0	0	1	-0.907167	0.0896987	0
FBgn02665	19834884	CR45097	0	0	1	-0.907167	0.321092	0.135042
FBgn02668	19836119	CR45265	0	0	1	-0.907167	0.0691706	0
FBgn02668	19835434	CR45273	0	0	1	-0.907167	0.164212	0.057552
FBgn02668	19835960	asRNA:CR4	0	0	1	-0.907167	0.0813058	0
FBgn02668	19835762	CR45321	0	0	1	-0.907167	0.237663	0.083295
FBgn02668	19835631	CR45348	0	0	1	-0.907167	0.0464993	0
FBgn02668	19835001	CR45352	0	0	1	-0.907167	0.0616554	0
FBgn02669	19834812	CR45364	0	0	1	-0.907167	0.0712989	0
FBgn02669	19835802	CR45375	0	0	1	-0.907167	1.66117	0.835329
FBgn02669	19835201	CR45381	0	0	1	-0.907167	0.141389	0.049553
FBgn02669	19835721	CR45393	0	0	1	-0.907167	0.0546298	0
FBgn02669	19836182	CR45399	0	0	1	-0.907167	0.166706	0.070112
FBgn02669	19834864	CR45405	0	0	1	-0.907167	0.493025	0.207351
FBgn02670	19834987	CR45503	0	0	1	-0.907167	0.0996652	0
FBgn02670	19835810	CR45510	0	0	1	-0.907167	0.0755614	0
FBgn02670	19834783	CR45511	0	0	1	-0.907167	0.0634854	0
FBgn02670	19836247	CR45514	0	0	1	-0.907167	0.0427136	0
FBgn02670	19835091	CR45536	0	0	1	-0.907167	0.297928	0.104416
FBgn02671	19834742	CR45555	0	0	1	-0.907167	0.278863	0.125658
FBgn02671	19834974	CR45570	0	0	1	-0.907167	0.0495661	0
FBgn02671	19835255	CR45582	0	0	1	-0.907167	1.2951	0.6408
FBgn02671	19834973	CR45614	0	0	1	-0.907167	1.23466	0.620852

FBgn02672	19835502	CR45643	0	0	1	-0.907167	0.0604491	0
FBgn02672	19834876	CR45687	0	0	1	-0.907167	0.0896987	0
FBgn02672	19835140	CR45700	0	0	1	-0.907167	0.0263237	0.009226
FBgn02672	19835405	CR45724	0	0	1	-0.907167	0.121426	0
FBgn02672	19836093	CR45725	0	0	1	-0.907167	0.0649687	0
FBgn02672	19835027	CR45733	0	0	1	-0.907167	0.0993092	0
FBgn02673	19835549	CR45755	0	0	1	-0.907167	0.0955553	0
FBgn02674	26067125	Su(Ste):CR4	0	0	1	-0.907167	0.0210337	0
FBgn02674	26067160	asRNA:CR4	0	0	1	-0.907167	0.0630535	0
FBgn02675	26067171	2SrRNA:CR	0	0	1	-0.907167	8.34198	3.8982
FBgn02675	26067212	CR45884	0	0	1	-0.907167	0.0768138	0
FBgn02675	26067263	CR45936	0	0	1	-0.907167	0.0514937	0
FBgn02676	26067299	CR45972	0	0	1	-0.907167	1.878	0.955441
FBgn02676	26067335	CR46014	0	0	1	-0.907167	0.253555	0.088865
FBgn02678	26067492	CR46178	0	0	1	-0.907167	0.100385	0
FBgn02678	26067500	CR46186	0	0	1	-0.907167	0.0671657	0
FBgn02679	26067502	CR46188	0	0	1	-0.907167	0.0269967	0
FBgn02785	26067577	CR46267	0	0	1	-0.907167	0.0572545	0.020066
FBgn00398	43715	mey	0	0	1	-0.971297	0.180722	0.086371
FBgn02663	19835898	CR45014	0	0	1	-0.985169	1.35642	0.633854
FBgn02679	26067518	CR46207	0	0	1	-0.985169	1.01731	0.47539
FBgn00003	38999	Cp15	0	0	1	-0.99463	1.78178	0.851549
FBgn00388	42469	CG15696	0	0	1	-0.99463	0.653312	0.300522
FBgn02646	14462885	CR43966	0	0	1	-0.99463	1.42598	0.655947
FBgn00025	35817	Lcp1	0	0	1	-1.02264	0.313314	0.137261
FBgn00538	3772421	His3:CG338	0	0	1	-1.02264	0.630773	0.276338
FBgn02668	19835816	CR45306	0	0	1	-1.02264	0.607794	0.266271
FBgn02656	19835916	CR44464	0	0	1	-1.0327	2.07647	0.949237
FBgn02634	12798052	CR43458	0	0	1	-1.04467	0.385667	0.1622
FBgn02644	14462727	CR43855	0	0	1	-1.04467	0.372243	0.156554
FBgn02644	14462741	CR43859	0	0	1	-1.04467	0.492152	0.206984
FBgn02651	14462607	CR44212	0	0	1	-1.04467	0.555022	0.233425
FBgn02659	19835952	CR44693	0	0	1	-1.04467	0.676559	0.28454
FBgn02662	19835903	CR44942	0	0	1	-1.04467	1.38374	0.623527

FBgn00306	32479	CG6308	0	0	1	-1.05917	0.759088	0.336052
FBgn00333	35906	CG13744	0	0	1	-1.05917	0.289652	0.12823
FBgn02660	19836043	CR44803	0	0	1	-1.05917	0.81406	0.360388
FBgn00263	41018	Or85e	0	0	1	-1.07709	0.158442	0.062471
FBgn00296	31284	CG14420	0	0	1	-1.07709	0.14169	0.055866
FBgn00345	37316	CG13427	0	0	1	-1.07709	0.505574	0.19934
FBgn00391	42797	CG10301	0	0	1	-1.07709	0.472712	0.204656
FBgn00533	8674083	CR33317	0	0	1	-1.07709	0.633768	0.249885
FBgn00538	3772370	His3:CG338	0	0	1	-1.07709	0.420515	0.165803
FBgn02644	19835845	CR43890	0	0	1	-1.07709	0.751529	0.296316
FBgn02657	19835023	CR44548	0	0	1	-1.07709	0.399376	0.157468
FBgn02666	19835272	asRNA:CR4	0	0	1	-1.07709	0.0312653	0.012327
FBgn02669	19835071	CR45379	0	0	1	-1.07709	0.308534	0.12165
FBgn02608	8674106	CG42578	0	0	1	-1.09159	2.00408	0.877973
FBgn02644	14462834	CR43884	0	0	1	-1.09159	1.27358	0.557949
FBgn00285	34812	CG16884	0	0	1	-1.09981	0.295187	0.124147
FBgn00538	3772619	His3:CG338	0	0	1	-1.09981	0.788467	0.331605
FBgn02670	19834838	CR45513	0	0	1	-1.1088	0.710505	0.305608
FBgn00365	39788	CG13049	0	0	1	-1.12956	0.226684	0.079447
FBgn00366	39839	CG13033	0	0	1	-1.12956	0.201497	0.07062
FBgn00390	42768	Ir94g	0	0	1	-1.12956	0.101856	0.035698
FBgn00394	43246	CG6296	0	0	1	-1.12956	0.169951	0.068727
FBgn00409	50424	Muc26B	0	0	1	-1.12956	0.216458	0.087535
FBgn00500	246395	mthl13	0	0	1	-1.12956	0.126107	0.044197
FBgn02598	7354442	Su(Ste):CR4	0	0	1	-1.12956	0.11562	0.040522
FBgn02643	14462590	CR43831	0	0	1	-1.12956	0.476684	0.167066
FBgn02656	19836111	CR44489	0	0	1	-1.12956	0.314199	0.110119
FBgn02661	19835688	CR44859	0	0	1	-1.12956	0.601474	0.243232
FBgn02676	26067322	CR46001	0	0	1	-1.12956	0.47805	0.167544
FBgn00034	32068	sisA	0	0	1	-1.1702	0.392648	0.150123
FBgn00538	3771771	His3:CG338	0	0	1	-1.1702	0.578209	0.22107
FBgn00538	3772552	His3:CG338	0	0	1	-1.1702	0.578209	0.22107
FBgn00538	3772231	His3:CG338	0	0	1	-1.1702	0.578209	0.22107
FBgn00830	5740719	snoRNA:Psi	0	0	1	-1.1702	2.06671	0.790176

FBgn02643	14462795	CG43814	0	0	1	-1.1702	0.389646	0.148976
FBgn00206	38702	Lcp65Ag2	0	0	1	-1.18727	0.819347	0.323055
FBgn02633	12798233	CR43412	0	0	1	-1.19667	2.89078	1.15788
FBgn00316	33707	Jon25Bii	0	0	1	-1.22909	0.124414	0.032703
FBgn00336	36192	Cpr47Ed	0	0	1	-1.22909	0.175436	0.046114
FBgn00342	37051	CG5084	0	0	1	-1.22909	0.682226	0.272083
FBgn00346	37486	CG4386	0	0	1	-1.22909	0.165735	0.058086
FBgn00357	38775	Cpr65Ec	0	0	1	-1.22909	0.196513	0.051655
FBgn00362	39354	CG17826	0	0	1	-1.22909	0.0477571	0.012553
FBgn00391	42895	CG5715	0	0	1	-1.22909	0.113728	0.029894
FBgn00396	43480	CG11470	0	0	1	-1.22909	0.325012	0.113908
FBgn00398	43696	CG15564	0	0	1	-1.22909	0.0610463	0.016046
FBgn00532	2768912	CG33299	0	0	1	-1.22909	0.13482	0.035438
FBgn00538	3772198	His3:CG338	0	0	1	-1.22909	0.47308	0.165803
FBgn00538	3772607	His3:CG338	0	0	1	-1.22909	0.47308	0.165803
FBgn00538	3772191	His3:CG338	0	0	1	-1.22909	0.47308	0.165803
FBgn00539	10178780	CR33929	0	0	1	-1.22909	0.920313	0.345585
FBgn00860	5740292	snoRNA:Mo	0	0	1	-1.22909	1.42598	0.374827
FBgn00860	5740290	snoRNA:Mo	0	0	1	-1.22909	1.54481	0.406063
FBgn02637	14462616	CG43677	0	0	1	-1.22909	0.123174	0.032377
FBgn02645	14462898	CR43930	0	0	1	-1.22909	0.228861	0.060157
FBgn02647	14462867	CR43992	0	0	1	-1.22909	0.285929	0.075158
FBgn02651	14462606	Ir56e	0	0	1	-1.22909	0.467338	0.122842
FBgn02661	19835217	asRNA:CR4	0	0	1	-1.22909	0.53021	0.185825
FBgn02679	26067546	CR46235	0	0	1	-1.22909	0.252214	0.066296
FBgn02679	26067557	CR46247	0	0	1	-1.22909	0.151856	0.053222
FBgn00366	39797	CG13063	0	0	1	-1.26974	0.868956	0.322461
FBgn02598	7354447	SteXh:CG42	0	0	1	-1.26974	0.768637	0.285234
FBgn00359	39010	CG13312	0	0	1	-1.3222	0.183455	0.055111
FBgn00408	50282	CG13465	0	0	1	-1.3222	0.323332	0.097131
FBgn00412	33453	Gr23a	0	0	1	-1.3222	0.0962641	0.028918
FBgn00412	31367	Femcoat	0	0	1	-1.3222	0.233669	0.070196
FBgn00417	3772678	snRNA:U4:1	0	0	1	-1.3222	1.31518	0.395088
FBgn00526	318109	CG32603	0	0	1	-1.3222	0.170145	0.051113

FBgn00537	3772602	CG33757	0	0	1	-1.3222	0.362469	0.108888
FBgn00538	3772374	His3:CG338	0	0	1	-1.3222	0.367951	0.110535
FBgn02618	10178889	CG42763	0	0	1	-1.3222	0.294918	0.088596
FBgn02659	19836215	CR44747	0	0	1	-1.3222	0.835391	0.250957
FBgn00396	43485	ppk21	0	0	1	-1.34774	0.301154	0.105547
FBgn00324	34725	CG16815	0	0	1	-1.3666	0.387278	0.122158
FBgn00538	3771792	His3:CG338	0	0	1	-1.3666	0.525644	0.165803
FBgn00633	3772157	snoRNA:U3	0	0	1	-1.3666	4.15024	1.3091
FBgn02659	19835335	CR44714	0	0	1	-1.3666	0.79904	0.252039
FBgn00209	33708	Jon25Bi	0	0	1	-1.3811	0.770621	0.270083
FBgn00538	3772032	His3:CG338	0	0	1	-1.39259	0.683338	0.22107
FBgn02679	26067530	CR46219	0	0	1	-1.39259	0.218025	0.070534
FBgn02669	19836129	CR45420	0	0	1	-1.40967	0.723423	0.237695
FBgn02657	19835671	CR44571	0	0	1	-1.44322	2.4255	0.819715
FBgn00003	31788	Cp38	0	0	1	-1.49213	0.0445262	0
FBgn00040	40828	zen	0	0	1	-1.49213	0.0438936	0
FBgn00104	40975	ato	0	0	1	-1.49213	0.0454727	0
FBgn00296	31285	CG14421	0	0	1	-1.49213	0.0654273	0
FBgn00299	31686	Ir7a	0	0	1	-1.49213	0.0753566	0.015846
FBgn00301	31864	CG15370	0	0	1	-1.49213	0.0444195	0
FBgn00303	32137	CG15741	0	0	1	-1.49213	0.114903	0
FBgn00304	32308	CG15756	0	0	1	-1.49213	0.162493	0.042712
FBgn00324	34723	CG15480	0	0	1	-1.49213	0.0847762	0
FBgn00348	37666	CG9877	0	0	1	-1.49213	0.143333	0
FBgn00366	39815	Cpr72Eb	0	0	1	-1.49213	0.0687431	0
FBgn00368	40113	CG14096	0	0	1	-1.49213	0.303565	0.063835
FBgn00369	40197	CG14185	0	0	1	-1.49213	0.039809	0
FBgn00374	40758	Osi4	0	0	1	-1.49213	0.0365395	0
FBgn00374	40783	Hr83	0	0	1	-1.49213	0.0664435	0
FBgn00385	42098	CG14332	0	0	1	-1.49213	0.108408	0
FBgn00396	43486	ppk20	0	0	1	-1.49213	0.218826	0.065737
FBgn00405	8673956	CG7606	0	0	1	-1.49213	0.0298514	0
FBgn00412	117344	Gr58a	0	0	1	-1.49213	0.0468124	0
FBgn00416	318011	Or65a	0	0	1	-1.49213	0.0443486	0

FBgn00454	261599	mthl12	0	0	1	-1.49213	0.0379095	0
FBgn00454	117488	Gr36a	0	0	1	-1.49213	0.118225	0.024861
FBgn00501	246471	Ir56a	0	0	1	-1.49213	0.076729	0.016135
FBgn00511	318610	Ir94a	0	0	1	-1.49213	0.0311036	0
FBgn00855	10178881	CR40629	0	0	1	-1.49213	0.0628397	0
FBgn00860	5740604	snoRNA:M	0	0	1	-1.49213	0.712989	0
FBgn02630	12798009	CG43354	0	0	1	-1.49213	3.13506	1.00321
FBgn02634	12798553	snoRNA:CG	0	0	1	-1.49213	0.251643	0
FBgn02642	14462815	CR43765	0	0	1	-1.49213	0.141509	0
FBgn02645	14462395	asRNA:CR4	0	0	1	-1.49213	0.14115	0
FBgn02654	19834723	CR44346	0	0	1	-1.49213	0.738822	0.211859
FBgn02654	19834955	CR44363	0	0	1	-1.49213	0.0993092	0
FBgn02655	19835886	CR44400	0	0	1	-1.49213	0.141509	0
FBgn02655	19835417	CR44421	0	0	1	-1.49213	0.111226	0
FBgn02658	19836164	CR44632	0	0	1	-1.49213	0.0359026	0
FBgn02658	19835545	CR44638	0	0	1	-1.49213	0.308277	0.064826
FBgn02662	19835381	CR44906	0	0	1	-1.49213	0.0833531	0.017528
FBgn02666	19835331	CR45123	0	0	1	-1.49213	0.123311	0
FBgn02667	19835195	CR45246	0	0	1	-1.49213	0.849983	0.255341
FBgn02669	19835122	CR45416	0	0	1	-1.49213	0.197912	0
FBgn02672	19835936	CR45655	0	0	1	-1.49213	0.184761	0
FBgn02672	19835442	CR45678	0	0	1	-1.49213	0.28845	0.060657
FBgn02672	19836015	CR45689	0	0	1	-1.49213	0.249386	0
FBgn02672	19835241	CR45709	0	0	1	-1.49213	0.107569	0
FBgn02675	26067242	CR45914	0	0	1	-1.49213	0.243917	0
FBgn02655	19835949	CR44399	0	0	1	-1.58524	0.742169	0.208089
FBgn02676	26067323	CR46002	0	0	1	-1.60761	0.633167	0.166432
FBgn00374	40757	Osi3	0	0	1	-1.64413	0.382567	0.105853
FBgn00407	50216	CG15919	0	0	1	-1.64413	0.559864	0.130812
FBgn02659	19835946	CR44713	0	0	1	-1.64413	0.923466	0.215768
FBgn02659	19836201	CR44731	0	0	1	-1.64413	0.740989	0.205025
FBgn02668	19836024	CR45347	0	0	1	-1.64413	0.325858	0.076137
FBgn02656	19834960	CR44452	0	0	1	-1.6727	0.617067	0.1622
FBgn02674	26067153	CR45825	0	0	1	-1.6727	0.475835	0.125076

FBgn00256	31283	CG3598	0	0	1	-1.71452	0.15935	0.027924
FBgn00361	39224	Cpr67Fa2	0	0	1	-1.71452	0.295291	0.051746
FBgn00375	40893	CG14598	0	0	1	-1.71452	0.135642	0.02377
FBgn02663	19835028	CR45022	0	0	1	-1.71452	1.34883	0.327274
FBgn02676	26067293	CR45966	0	0	1	-1.71452	0.819695	0.198888
FBgn00206	38703	Lcp65Ag1	0	0	1	-1.90717	0.161353	0
FBgn00342	36967	insb	0	0	1	-1.90717	0.0787722	0
FBgn00363	39487	CG14115	0	0	1	-1.90717	0.126394	0
FBgn00518	318965	CG31827	0	0	1	-1.90717	0.0878103	0
FBgn00633	3772696	snoRNA:M	0	0	1	-1.90717	4.56526	0.872732
FBgn00854	5740603	CG34442	0	0	1	-1.90717	0.100385	0
FBgn02625	12797911	CG43083	0	0	1	-1.90717	0.452665	0.067992
FBgn02647	14462621	CR43984	0	0	1	-1.90717	0.64882	0.097455
FBgn02671	19835432	CR45572	0	0	1	-1.90717	0.0521048	0
FBgn02672	19835411	CR45688	0	0	1	-1.90717	0.517551	0.098939
FBgn02672	19835467	CR45723	0	0	1	-1.90717	0.126394	0
FBgn02679	26067507	CR46196	0	0	1	-1.90717	0.180172	0
FBgn02632	12798191	CR43382	0	0	1	-2.07709	1.01115	0.132893
FBgn02662	19836210	CR44948	0	0	1	-2.07709	0.6374	0.083772
FBgn02671	19835650	CR45575	0	0	1	-2.07709	0.609459	0.0801
FBgn00344	37251	Ir56c	0	0	1	-2.22909	0.146866	0.017158
FBgn00359	39007	CG13310	0	0	1	-2.22909	0.181347	0.021186
FBgn00631	3772088	pncr002:3F	0	0	1	-2.22909	0.22025	0
FBgn00854	5740867	CG34428	0	0	1	-2.22909	0.1605	0
FBgn00857	5740188	CR41379	0	0	1	-2.22909	0.232205	0
FBgn02668	19835964	CR45329	0	0	1	-2.22909	0.304822	0.035611
FBgn02672	19835775	CR45696	0	0	1	-2.22909	0.479424	0
FBgn00047	40820	Ccp84Af	0	0	1	-2.49213	0.239712	0
FBgn00473	251916	CG32235	0	0	1	-2.49213	0.232886	0
FBgn02657	19834815	CR44527	0	0	1	-2.49213	0.318883	0
FBgn00384	42053	CG5225	0	0	1	-2.71452	0.0909207	0
FBgn00650	3772270	snoRNA:M	0	0	1	-2.71452	3.62695	0
FBgn02670	19836062	CR45448	0	0	1	-2.71452	0.307255	0
FBgn02636	12798208	CR43624	0	0	1	-2.90717	0.269593	0

FBgn00332	35802	CG14760	0	0	1	-3.07709	0.122361	0
FBgn00344	37250	Ir56b	0	0	1	-3.07709	0.154911	0
FBgn00382	41762	CG14850	0	0	1	-3.07709	0.378965	0
FBgn00853	5740123	CR34311	0	0	1	-3.22909	0.591629	0